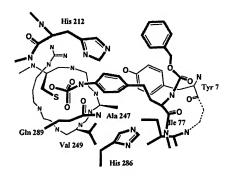
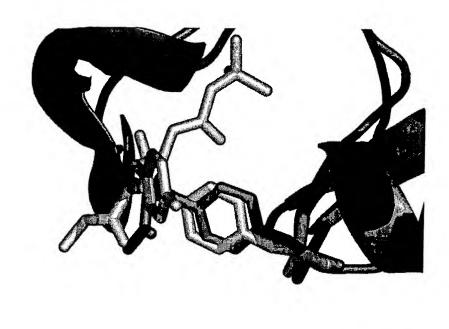
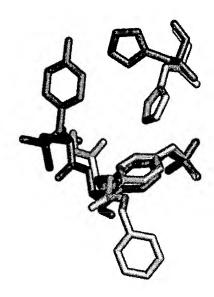


(a)



(b)





	<i>-</i>	000	71		_	70 245	00 0	0 02 25	00 00		
CRYST1	61.			.53		70.345	90.0		90.00	1 000	100 07
ATOM	1	N	LYS		19		.885	20.303	21.460	1.000	
ATOM	2	CA	LYS		19		. 939	19.537	20.223	1.000	
ATOM	3	CB	LYS		19		.192	20.422	19.007		87.72
MOTA	4	CG	LYS		19		.902	20.923	18.320	1.000	
ATOM	5	CD	LYS		19		.014	20.782	16.801	1.000	
ATOM	6	CE	LYS		19		. 663	21.012	16.143	1.000	
MOTA	7	NZ	LYS		19		.303	22.523	16.035	1.000	
ATOM	8	С	LYS		19		.027	18.457	20.298		78.84
ATOM	9	0	LYS		19		.217	18.783	20.327	1.000	93.11
MOTA	10	N	THR		20		.573	17.224	20.310	1.000	
ATOM	11	CA	THR		20		. 257	15.957	20.169	1.000	
ATOM	12	CB	THR		20		.713	15.258	18.900	1.000	
MOTA	13	OG1	THR		20		. 633	14.309	18.358	1.000	
MOTA	14	CG2	THR		20		.489	16.286	17.795		64.36
ATOM	15	С	THR	А	20		.771	16.101	20.107		59.34
ATOM	16	0	THR		20		.304	16.833	19.272	1.000	
ATOM	17	N	SER		21		.471	15.408	20.994	1.000	
ATOM	18	CA	SER	Α	21		. 903	15.206	20.988	1.000	
ATOM	19	CB	SER	А	21		. 353	14.742	19.581		47.66
ATOM	20	OG	SER	А	21		.770	14.620	19.599	1.000	
ATOM	21	С	SER	Α	21	18.	.784	16.398	21.346	1.000	
ATOM	22	0	SER		21		. 538	17.534	20.963	1.000	
ATOM	23	N	CYS	А	22		.843	16.085	22.080		41.72
MOTA	24	CA	CYS	Α	22		. 898	16.977	22.509	1.000	
MOTA	25	CB	CYS	Α	22		.566	17.726	23.798	1.000	
ATOM	26	SG	CYS	А	22	19.	. 635	19.259	23.584	1.000	
MOTA	27	С	CYS	Α	22	22.	.183	16.174	22.752	1.000	
ATOM	28	0	CYS	Α	22	22.	. 505	15.999	23.925	1.000	
ATOM	29	N	PRO	Α	23	22.	.822	15.731	21.680	1.000	
MOTA	30	CA	PRO	Α	23		.007	14.873	21.736		
ATOM	31	CB	PRO	Α	23	24.	. 238	14.461	20.277		
MOTA	32	CG	PRO	Α	23	23.	.012	14.867	19.533	1.000	
MOTA	33	CD	PRO	Α	23	22.	.447	16.037	20.280	1.000	
ATOM	34	С	PRO	Α	23	25.	.254	15.595	22.253	1.000	49.52
ATOM	35	0	PRO	Α	23		.409	16.802	22.079	1.000	
MOTA	36	N	ILE	A	24		.145	14.847	22.897	1.000	
ATOM	37	CA	ILE	А	24		. 396	15.350	23.436		45.58
ATOM	38	CB	ILE		24		.299	15.718	24.926		
MOTA	39	CG1	ILE	Α	24		.035	16.480	25.330		
ATOM	40	CD1	ILE	А	24		.222	15.741	26.376		
MOTA	41	CG2	ILE	Α	24	28.	. 545	16.488	25.350		
ATOM	42	C	ILE	Α	24	28.	.517	14.327	23.296		
ATOM	43	0	ILE	A	24	28.	.322	13.140	23.537		
ATOM	44	N	LYS	Α	25		.713	14.766	22.907		
ATOM	45	CA	LYS	А	25		.820	13.808	22.815		
ATOM	46	CB	LYS	A	25		. 917	14.375	21.922		
ATOM	47	CG	LYS	Α	25		444	14.757	20.527		
MOTA	48	CD	LYS	A	25		.307	14.074	19.471		
ATOM	49	CE	LYS	Α	25		.469	13.255	18.493		
ATOM	50	NZ	LYS	Α	25		.328	12.452	17.576		
ATOM	51	С	LYS	Α	25	31.	.346	13.486	24.204	1.000	52.08

ATOM	52	0	LYS	Α	25	31.294	14.340	25.095		53.68
ATOM	53	N	ILE	Α	26	31.849	12.274	24.434	1.000	52.14
ATOM	54	CA	ILE	Α	26	32.275	11.942	25.793	1.000	63.74
ATOM	55	CB	ILE	A	26	32.817	10.504	25.904	1.000	65.16
MOTA	56	CG1	ILE		26	34.316	10.370	25.624	1.000	65.92
ATOM	57	CD1	ILE		26	34.847	8.970	25.852		69.50
ATOM	58	CG2	ILE		26	32.016	9.561	25.016		68.17
	59	C	ILE		26	33.335	12.911	26.307		70.34
ATOM							13.146	27.515	1.000	67.42
ATOM	60	0	ILE		26	33.411			1.000	74.12
ATOM	61	N	ASN		27	34.141	13.465	25.406		78.44
ATOM	62	CA	ASN		27	35.231	14.350	25.799	1.000	
MOTA	63	CB	ASN		27	36.116	14.679	24.588		86.40
ATOM	64	CG	ASN		27	36.877	15.980	24.768		90.22
ATOM	65	OD1			27	37.854	16.044	25.515		84.42
ATOM	66	ND2	ASN	Α	27	36.432	17.033	24.084		85.29
ATOM	67	С	ASN	Α	27	34.740	15.649	26.423		75.19
ATOM	68	0	ASN	Α	27	35.473	16.309	27.170	1.000	89.55
ATOM	69	N	GLN	Α	28	33.507	16.048	26.126	1.000	67.31
MOTA	70	CA	GLN	Α	28	33.008	17.350	26.550	1.000	57.01
ATOM	71	СВ	GLN	Α	28	32.497	18.097	25.313	1.000	54.35
ATOM	72	CG	GLN		28	32.204	19.571	25.517	1.000	59.01
ATOM	73	CD	GLN		28	32.233	20.351	24.213	1.000	66.07
ATOM	74	OE1	GLN		28	31.315	21.121	23.907		69.78
ATOM	75	NE2	GLN		28	33.291	20.154	23.427		81.02
ATOM	76	C	GLN		28	31.894	17.263	27.581		51.77
ATOM	77	0	GLN		28	31.322	18.300	27.939		55.71
	78	N	PHE		29	31.566	16.061	28.051		50.17
ATOM					29	30.395	15.896	28.910		48.12
ATOM	79	CA	PHE					29.031		47.45
ATOM	80	CB	PHE		29	29.984	14.424			51.71
ATOM	81	CG	PHE		29	28.679	14.209	29.760		
ATOM	82	CD1	PHE		29	27.473	14.198	29.076		
ATOM	83	CE1	PHE		29	26.272	14.005	29.732		
MOTA	84	CZ	PHE		29	26.254	13.826	31.104	1.000	53.70
ATOM	85	CE2	PHE		29	27.448	13.826	31.808		
ATOM	86	CD2	PHE	Α	29	28.641	14.016	31.134	1.000	58.31
ATOM	87	С	PHE	Α	29	30.633	16.505	30.293		48.21
ATOM	88	0	PHE	Α	29	29.805	17.313	30.723		51.21
MOTA	89	N	GLU	Α	30	31.725	16.100	30.932		50.97
ATOM	90	CA	GLU	Α	30	32.118	16.617	32.243	1.000	40.77
MOTA	91	CB	GLU	A	30	33.518	16.157	32.627		
ATOM	92	CG	GLU	A	30	33.957	16.520	34.038	1.000	61.37
MOTA	93	CD	GLU	A	30	34.375	15.319	34.871	1.000	63.56
ATOM	94		GLU		30	34.907	14.350	34.287	1.000	58.37
ATOM	95		GLU		30	34.180	15.327	36.108	1.000	52.10
ATOM	96	C	GLU		30	32.029	18.136	32.196		
ATOM	97	Ö	GLU		30	31.394	18.780	33.026		
ATOM	98	N	GLY		31	32.650	18.719	31.167		
ATOM	99	CA	GLY		31	32.510	20.160	31.001		
		CA	GLY		31	31.063	20.531	30.754		
ATOM	100						21.443	31.373		
ATOM	101	0	GLY		31	30.515		29.826		
ATOM	102	N	HIS		32	30.407	19.821			
MOTA	103	CA	HIS	A	32	29.036	20.224	29.519	1.000	40.00

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ATOM	104	CB	HIS		32	28.481	19.370		1.000	
MOTA	105	CG	HIS		32	26.991	19.509	28.268	1.000	46.74
ATOM	106		HIS		32	26.393	20.629	27.736	1.000	49.67
ATOM	107	CE1	HIS		32	25.081	20.489		1.000	47.50
MOTA	108	NE2	HIS	A	32	24.803	19.318		1.000	46.49
ATOM	109	CD2	HIS	A	32	25.985	18.688			48.61
ATOM	110	С	HIS	Α	32	28.128	20.126		1.000	36.48
MOTA	111	0	HIS	Α	32	27.213	20.935	30.894	1.000	47.25
MOTA	112	N	PHE	Α	33	28.355	19.146	31.611	1.000	37.04
ATOM	113	CA	PHE	Α	33	27.466	18.940	32.760	1.000	45.61
MOTA	114	CB	PHE	Α	33	27.679	17.531	33.322	1.000	44.57
MOTA	115	CG	PHE	Α	33	26.836	17.160	34.514	1.000	38.23
ATOM	116	CD1	PHE		33	25.506	17.531	34.598	1.000	30.80
MOTA	117	CE1	PHE	Α	33	24.748	17.191	35.702	1.000	28.41
MOTA	118	CZ		Α	33	25.308	16.468	36.737	1.000	30.68
ATOM	119	CE2	PHE		33	26.635	16.088		1.000	27.11
ATOM	120			A	33	27.378	16.436		1.000	28.82
ATOM	121	C	PHE		33	27.652	19.998			49.01
ATOM	122	Ō	PHE		33	26.723	20.391	34.548	1.000	35.78
ATOM	123	N	MET		34	28.873	20.503		1.000	55.36
ATOM	124	CA		A	34	29.145	21.595		1.000	48.73
ATOM	125	CB		A	34	30.612	22.002	34.804		50.55
ATOM	126	CG		A	34	31.589	20.956	35.319		44.00
ATOM	127	SD		A	34	31.900	21.178		1.000	69.37
ATOM	128	CE		A	34	32.522	19.553		1.0001	
ATOM	129	C		A	34	28.257	22.797		1.000	
ATOM	130	0		A	34	27.672	23.409		1.000	
ATOM	131	N	LYS		35	28.169	23.133			42.34
ATOM	132	CA	LYS		35	27.337	24.249			41.76
ATOM	133	СВ	LYS		35	27.357	24.341		1.000	48.16
ATOM	134	CG	LYS		35	28.744	24.409	30.774	1.000	54.19
ATOM	135	CD	LYS		35	28.745	25.343	29.558	1.000	56.45
ATOM	136	CE	LYS		35	27.969	26.621	29.849	1.000	59.03
MOTA	137	NZ	LYS		35	26.532	26.499	29.466	1.000	63.17
ATOM	138	С	LYS	A	35	25.902	24.093	33.401	1.000	52.49
ATOM	139	0	LYS		35	25.341	25.000	34.019	1.000	58.86
MOTA	140	N	LEU	A	36	25.323	22.927	33.122	1.000	45.81
ATOM	141	CA	LEU		36	23.967	22.608	33.538	1.000	38.58
ATOM	142	CB	LEU		36	23.651	21.126	33.313	1.000	45.57
MOTA	143	CG	LEU	Α	36	23.288	20.682	31.901	1.000	50.85
ATOM	144		LEU		36	24.233	21.277	30.870	1.000	57.32
ATOM	145	CD2			36	23.292	19.159	31.799	1.000	59.71
ATOM	146	С	LEU	Α	36	23.753	22.921	35.011	1.000	35.30
ATOM	147	0	LEU		36	22.857	23.679	35.382	1.000	53.13
ATOM	148	N	GLN		37	24.585	22.311	35.857	1.000	36.39
ATOM	149	CA	GLN		37	24.427	22.527	37.292	1.000	46.18
ATOM	150	CB	GLN		37	25.238	21.504	38.085	1.000	56.71
ATOM	151	CG	GLN		37	26.311	20.782	37.289	1.000	59.65
ATOM	152		GLN		37	26.681	19.440	37.891	1.000	59.86
ATOM	153	OE1			37	27.412	18.655	37.285	1.000	76.78
ATOM	154	NE2	GLN	Α	37	26.190	19.165	39.092	1.000	59.17
ATOM	155	С	GLN	Α	37	24.844	23.938	37.696	1.000	53.32

ATOM	156	0	GLN	Α	37	24.407	24.448	38.730 1.000 47.35
ATOM	157	N	ALA	Α	38	25.684	24.560	36.876 1.000 58.65
MOTA	158	CA	ALA	Α	38	26.173	25.905	37.151 1.000 68.20
ATOM	159	CB	ALA	Α	38	27.038	26.387	35.992 1.000 88.29
ATOM	160	С	ALA	A	38	25.055	26.906	37.416 1.000 68.67
ATOM	161	0	ALA	Α	38	24.003	26.933	36.777 1.000 57.74
MOTA	162	N	ASP		39	25.301	27.778	38.394 1.000 72.20
ATOM	163	CA	ASP		39	24.314	28.796	38.736 1.000 74.27
ATOM	164	СВ	ASP		39	23.909	29.628	37.527 1.000 85.74
ATOM	165	CG	ASP		39	25.044	30.402	36.878 1.000 97.59
ATOM	166		ASP		39	24.958	30.635	35.641 1.000113.10
ATOM	167		ASP		39	26.039	30.750	37.574 1.000105.88
ATOM	168	C	ASP		39	23.087	28.123	39.343 1.000 66.70
	169	0	ASP		39	21.999	28.689	39.281 1.000 73.27
ATOM			SER		40	23.298	26.947	39.907 1.000 64.44
ATOM	170	N C7			40	22.275	26.159	40.578 1.000 64.68
ATOM	171	CA	SER					41.465 1.000 55.65
ATOM	172	CB	SER		40	21.396	27.050	41.962 1.000 78.01
ATOM	173	OG	SER		40	22.105	28.171	
MOTA	174	C	SER		40	21.376	25.400	
ATOM	175	0	SER		40	20.184	25.716	39.507 1.000 51.42
ATOM	176	N	ASN		41	21.912	24.422	38.883 1.000 60.85
ATOM	177	CA	ASN		41	21.172	23.654	37.894 1.000 61.49
ATOM	178	CB	ASN		41	20.165	22.694	38.532 1.000 61.83
ATOM	179	CG	ASN		41	20.762	21.620	39.402 1.000 69.08
ATOM	180		ASN		41	21.917	21.225	39.250 1.000 80.40
MOTA	181		ASN		41	19.957	21.130	40.339 1.000 78.07
ATOM	182	С	ASN	Α	41	20.361	24.555	36.966 1.000 67.15
ATOM	183	0	ASN	Α	41	19.289	24.130	36.528 1.000 80.59
ATOM	184	N	TYR	Α	42	20.825	25.767	36.685 1.000 63.68
ATOM	185	CA	TYR	Α	42	19.955	26.712	35.995 1.000 58.60
ATOM	186	CB	TYR	Α	42	20.581	28.109	35.929 1.000 62.78
ATOM	187	CG	TYR	Α	42	19.713	29.057	35.134 1.000 60.11
MOTA	188	CD1	TYR	Α	42	18.414	29.333	35.553 1.000 62.46
ATOM	189	CE1	TYR	A	42	17.603	30.195	34.844 1.000 61.51
ATOM	190	CZ	TYR	Α	42	18.099	30.785	33.705 1.000 62.86
ATOM	191	OH	TYR	Α	42	17.300	31.648	32.990 1.000 84.83
ATOM	192	CE2			42	19.378	30.523	33.263 1.000 60.46
ATOM	193	CD2	TYR		42	20.186	29.658	33.976 1.000 59.75
ATOM	194	С	TYR		42	19.631	26.234	34.584 1.000 44.43
MOTA	195	0	TYR	Α	42	18.468	26.109	34.216 1.000 44.77
ATOM	196	N	LEU		43	20.701	25.982	33.847 1.000 40.94
ATOM	197	CA	LEU		43	20.603	25.447	32.499 1.000 53.15
ATOM	198	СВ	LEU		43	21.973	25.359	31.837 1.000 60.19
ATOM	199	CG	LEU		43	22.899	26.570	31.920 1.000 67.43
ATOM	200		LEU		43	23.839	26.600	30.724 1.000 71.66
ATOM	201		LEU		43	22.126	27.871	32.003 1.000 79.71
ATOM	202	C	LEU		43	19.934	24.068	32.542 1.000 55.94
ATOM	203	0	LEU		43	18.895	23.893	31.904 1.000 56.22
ATOM	203	N	LEU		44	20.523	23.138	33.277 1.000 55.33
	205	CA	LEU		44	20.043	21.785	33.466 1.000 57.43
ATOM ATOM	206	CB	LEU		44	20.668	21.763	34.719 1.000 58.28
MOTA	207	CG	LEU		44	20.333	19.672	34.935 1.000 58.45
MION	201	<u> </u>	٧٠٠٧	1.7	-1-3	_0.555		

ATOM	208	CD1	LEU	Α	4 4	21.583	18.890	35.306		
MOTA	209	CD2	LEU	Α	44	19.259	19.509	35.999	1.000	64.52
ATOM	210	С	LEU	Α	44	18.522	21.721	33.618	1.000	58.45
ATOM	211	Ō	LEU		44	17.875	20.876	33.005	1.000	62.57
	212	N	SER		45	18.022	22.636	34.428		58.88
MOTA								34.841		54.60
ATOM	213	CA	SER		45	16.634	22.760			
ATOM	214	CB	SER		45	16.564	23.645	36.093		50.24
MOTA	215	OG	SER	Α	45	15.228	23.927	36.463	1.000	55.87
ATOM	216	С	SER	Α	45	15.745	23.315	33.743	1.000	57.32
ATOM	217	0	SER	Α	45	14.548	23.027	33.655	1.000	57.44
ATOM	218	N	LYS		46	16.303	24.131	32.849	1.000	62.62
ATOM	219	CA	LYS		46	15.432	24.625	31.776	1.000	
	220	CB	LYS		46	15.937	25.962	31.242		74.26
ATOM							26.942	32.327	1.000	76.81
ATOM	221	CG	LYS		46	16.359				
ATOM	222	CD	LYS		46	15.163	27.555	33.036	1.000	76.98
ATOM	223	CE	LYS	Α	46	13.919	27.533	32.159		77.01
ATOM	224	NZ	LYS	А	46	13.910	28.669	31.183	1.000	76.61
ATOM	225	С	LYS	Α	46	15.324	23.574	30.673	1.000	58.56
MOTA	226	0	LYS	Α	46	14.244	23.378	30.116	1.000	75.22
ATOM	227	N	GLU		47	16.436	22.917	30.384	1.000	47.55
ATOM	228	CA	GLU		47	16.525	21.820	29.431	1.000	50.54
ATOM	229	CB	GLU		47	17.934	21.229	29.416		51.00
ATOM	230	CG	GLU		47	18.207	20.220		1.000	
MOTA	231	CD	GLU		47	19.602	19.627	28.395	1.000	
MOTA	232	OE1	GLU		47	20.500	20.053	27.631	1.000	41.94
ATOM	233	OE2	GLU	Α	47	19.799	18.714	29.229		49.31
ATOM	234	С	GLU	Α	47	15.509	20.738	29.790	1.000	49.73
MOTA	235	0	GLU	Α	47	14.803	20.208	28.939	1.000	39.85
ATOM	236	N	TYR		48	15.448	20.426	31.086	1.000	44.02
ATOM	237	CA	TYR		48	14.563	19.352	31.531		41.02
ATOM	238	СВ	TYR		48	14.890	18.965	32.971	1.000	38.64
						13.922	17.993	33.599	1.000	36.61
ATOM	239	CG	TYR		48					
ATOM	240	CD1	TYR		48	13.950	16.650	33.247	1.000	34.64
MOTA	241	CE1	TYR		48	13.073	15.745	33.809	1.000	36.45
ATOM	242	CZ	TYR	A	48	12.153	16.179	34.738		35.24
ATOM	243	OH	TYR	Α	48	11.285	15.269	35.288	1.000	36.83
ATOM	244	CE2	TYR	A	48	12.098	17.506	35.108	1.000	34.92
ATOM	245	CD2	TYR	Α	48	12.983	18.405	34.535	1.000	38.27
ATOM	246	С	TYR	Α	48	13.112	19.774	31.382	1.000	42.44
ATOM	247	0	TYR		48	12.227	18.943	31.170	1.000	37.58
ATOM	248	N	GLU		49	12.839	21.077	31.488		
						11.443	21.484	31.313		
ATOM	249	CA	GLU		49			31.875		
ATOM	250	CB	GLU		49	11.210	22.881			
ATOM	251	CG	GLU		49	11.239	22.953	33.390		
ATOM	252	CD	GLU	Ą	49	10.271	21.998	34.053		
ATOM	253	OE1	GLU	Α	49	10.722	21.031	34.704	1.000	61.85
MOTA	254	OE2	GLU	Α	49	9.047	22.220	33.926	1.000	85.66
MOTA	255	С	GLU		49	11.065	21.406	29.835	1.000	40.11
ATOM	256	Ö	GLU		49	9.884	21.429	29.488		
ATOM	257	N	GLU		50	12.071	21.304	28.972		
	258	CA			50	11.897	21.219	27.536		
MOTA			GLU							
MOTA	259	CB	GLU	А	50	13.225	21.224	26.784	1.000	41.42

ATOM	260	CG	GLU	Α	50	14.193	22.357	27.039	1.000	58.31
MOTA	261	CD	GLU	Α	50	15.395	22.299	26.111	1.000	72.71
ATOM	262	OE1	GLU	Α	50	15.705	21.201	25.592	1.000	84.88
ATOM	263	OE2		А	50	16.034	23.355	25.892	1.000	89.36
MOTA	264	C	GLU		50	11.172	19.927	27.145	1.000	41.10
ATOM	265	0	GLU		50	10.637	19.814	26.042	1.000	48.55
						11.214	18.984	28.077	1.000	
ATOM	266	N	LEU		51					
MOTA	267	CA	LEU		51	10.671	17.650	27.907	1.000	34.93
ATOM	268	CB	LEU		51	11.632	16.647	28.554		32.69
ATOM	269	CG	LEU	Α	51	12.990	16.479	27.869		27.26
MOTA	270	CD1	LEU	Α	51	14.003	15.896	28.837		30.09
ATOM	271	CD2	LEU	A	51	12.860	15.598	26.636	1.000	25.80
ATOM	272	С	LEU	Α	51	9.286	17.512	28.523	1.000	39.93
ATOM	273	0	LEU		51	8.633	16.483	28.348	1.000	32.60
ATOM	274	N	LYS		52	8.856	18.542	29.242	1.000	
ATOM	275	CA	LYS		52	7.628	18.496	30.017	1.000	
			LYS		52	7.282	19.881	30.584		49.99
ATOM	276	CB								50.93
ATOM	277	CG	LYS		52	5.828	20.014	31.009		
MOTA	278	CD	LYS		52	5.552	21.383	31.613		54.40
MOTA	279	CE	LYS		52	4.187	21.908	31.183	1.000	52.01
ATOM	280	NZ	LYS		52	4.061	23.372	31.421	1.000	52.88
MOTA	281	С	LYS	Α	52	6.440	17.978		1.000	41.72
ATOM	282	0	LYS	Α	52	5.749	17.087	29.712	1.000	40.74
ATOM	283	N	ASP	Α	53	6.241	18.521	28.018	1.000	35.76
ATOM	284	CA	ASP		53	5.074	18.259	27.196	1.000	33.00
ATOM	285	СВ	ASP		53	4.640	19.524			35.62
ATOM	286	CG	ASP		53	4.134	20.637	27.333		39.83
ATOM	287		ASP		53	4.039	21.790		1.000	41.69
ATOM	288		ASP		53	3.834	20.393	28.518		48.93
ATOM	289	C	ASP		53	5.283	17.142	26.177		29.06
ATOM	290	0	ASP		53	4.349	16.827	25.426		22.95
					54	6.459	16.533	26.120		26.91
ATOM	291	N	VAL							23.54
ATOM	292	CA	VAL		54	6.661	15.454	25.148		
ATOM	293	СВ	VAL		54	8.059	14.818	25.272		30.36
ATOM	294		VAL		54	8.120	13.547	24.435	1.000	
ATOM	295		VAL		54	9.154	15.791	24.855		31.51
ATOM	296	С	VAL		54	5.617	14.348	25.309		
ATOM	297	0	VAL		54	5.350	13.848	26.409		28.89
ATOM	298	N	GLY	Α	55	5.015	13.988		1.000	
ATOM	299	CA	GLY	Α	55	4.021	12.953	24.067	1.000	23.74
ATOM	300	С	GLY	Α	55	2.731	13.216	24.816	1.000	35.64
ATOM	301	0	GLY	Α	55	1.917	12.289	24.916	1.000	34.29
ATOM	302	N	ARG		56	2.535	14.432	25.331	1.000	26.60
ATOM	303	CA	ARG		56	1.351	14.736	26.122		
ATOM	304	CB	ARG		56	1.587	15.960	27.020		
ATOM	305	CG	ARG		56	2.477	15.672	28.222		
	306	CD	ARG		56	1.970	14.486	29.030		
ATOM					56	2.866	14.160	30.136		
MOTA	307	NE CZ	ARG							
ATOM	308	CZ	ARG		56	2.724	14.463	31.417		
ATOM	309		ARG		56	1.683	15.139	31.879		
MOTA	310		ARG		56	3.650	14.082	32.292		
MOTA	311	С	ARG	A	56	0.123	14.966	25.250	1.000	24.9/

FIGURE 12

ATOM	312	0	ARG	Α	56	-0.957	15.301	25.741 1.000 29.55
MOTA	313	N	ASN	Α	57	0.258	14.781	23.944 1.000 24.28
ATOM	314	CA	ASN	Α	57	-0.895	14.909	23.064 1.000 33.49
ATOM	315	СВ	ASN		57	-0.474	15.189	21.611 1.000 33.93
ATOM	316	CG	ASN		57	0.605	14.218	21.162 1.000 35.19
ATOM	317		ASN		57	1.492	13.907	21.957 1.000 42.76
ATOM	318	ND2			5 <i>7</i>	0.547	13.751	19.918 1.000 35.98
	319	C	ASN		57	-1.720	13.635	23.056 1.000 35.77
MOTA					57	-2.865	13.607	22.617 1.000 32.52
ATOM	320	0	ASN				12.529	23.521 1.000 35.76
ATOM	321	N	GLN		58	-1.139		23.295 1.000 30.59
ATOM	322	CA	GLN		58	-1.864	11.271	
ATOM	323	CB	GLN		58	-0.851	10.129	23.178 1.000 29.64
MOTA	324	CG	GLN		58	0.201	10.442	22.108 1.000 28.67
MOTA	325	CD	GLN		58	1.406	9.527	22.230 1.000 31.92
ATOM	326	OE1	GLN		58	2.330	9.754	23.023 1.000 40.11
ATOM	327	NE2	GLN	Α	58	1.386	8.474	21.427 1.000 22.80
MOTA	328	С	GLN	А	58	-2.899	11.017	24.373 1.000 26.57
MOTA	329	0	GLN	Α	58	-2.814	11.505	25.494 1.000 28.16
ATOM	330	N	SER	Α	59	-3.895	10.232	23.996 1.000 21.64
ATOM	331	CA	SER	Α	59	-5.004	9.889	24.858 1.000 21.49
ATOM	332	CB	SER	Α	59	-6.312	9.936	24.060 1.000 23.13
MOTA	333	OG	SER		59	-6.423	8.760	23.266 1.000 50.75
ATOM	334	С	SER		59	-4.832	8.495	25.465 1.000 27.34
ATOM	335	0	SER		59	-4.113	7.652	24.915 1.000 28.20
ATOM	336	N	CYS		60	-5.510	8.289	26.585 1.000 21.68
ATOM	337	CA	CYS		60	-5.566	7.030	27.307 1.000 19.90
ATOM	338	СВ	CYS		60	-4.841	7.171	28.645 1.000 31.73
ATOM	339	SG	CYS		60	-3.240	8.002	28.554 1.000 43.81
ATOM	340	C	CYS		60	-7.008	6.595	27.556 1.000 22.77
ATOM	341	0	CYS		60	-7.341	6.204	28.678 1.000 20.42
		N	ASP		61	-7.852	6.663	26.540 1.000 21.77
ATOM	342	CA	ASP		61	-9.266	6.323	26.610 1.000 30.03
ATOM	343				61		6.527	25.236 1.000 35.37
ATOM	344	CB	ASP			-9.915		24.695 1.000 32.99
MOTA	345	CG	ASP		61	-9.894	7.936	
ATOM	346		ASP		61	-9.618,	8.909	25.426 1.000 42.37
ATOM	347		ASP		61	-10.171	8.083	23.481 1.000 42.70
MOTA	348	С	ASP		61	-9.529	4.890	27.073 1.000 31.27
ATOM	349	0	ASP		61	-10.375	4.669	27.946 1.000 26.07
ATOM	350	N	ILE		62	-8.840	3.896	26.517 1.000 33.57
ATOM	351	CA	ILE		62	-9.017	2.497	26.889 1.000 26.85
ATOM	352	CB	ILE		62	-8.021	1.572	26.166 1.000 27.84
ATOM	353	CG1	ILE	A	62	-7.987	1.728	24.650 1.000 25.02
MOTA	354	CD1	ILE	Α	62	-9.326	1.502	23.982 1.000 31.68
MOTA	355	CG2	ILE	Α	62	-8.284	0.124	26.574 1.000 22.54
ATOM	356	С	ILE	Α	62	-8.822	2.256	28.381 1.000 32.08
ATOM	357	0	ILE	Α	62	-9.608	1.599	29.071 1.000 30.72
ATOM	358	N	ALA		63	-7.724	2.812	28.896 1.000 25.21
ATOM	359	CA	ALA		63	-7.448	2.650	30.321 1.000 24.51
ATOM	360	СВ	ALA		63	-6.138	3.336	30.687 1.000 24.25
ATOM	361	C	ALA		63	-8.585	3.208	31.168 1.000 32.19
MOTA	362	0	ALA		63	-8.795	2.776	32.302 1.000 36.44
ATOM	363	N	LEU		64	-9.309	4.183	30.622 1.000 29.54
-11 011	505				5 1	5.555		

FIGURE 13

			_	_		40 005	4 000	21 200	1 000	21 42
ATOM	364	CA	LEU		64	-10.325	4.890	31.389		
MOTA	365	CB	LEU		64	-10.486	6.331	30.884		
ATOM	366	CG	LEU		64	-9.333	7.259	31.283	1.000	
MOTA	367	CD1			64	-9.308	8.494	30.399		
MOTA	368	CD2	LEU	Α	64	-9.456	7.608	32.760	1.000	
ATOM	369	С	LEU	Α	64	-11.663	4.180	31.315	1.000	
ATOM	370	0	LEU	Α	64	-12.640	4.639	31.902		
MOTA	371	N	LEU	Α	65	-11.712	3.063	30.594		
ATOM	372	CA	LEU	Α	65	-13.005	2.371	30.555	1.000	29.09
ATOM	373	CB	LEU	Α	65	-12.934	1.238	29.534	1.000	26.20
MOTA	374	CG	LEU	Α	65	-12.633	1.726	28.112	1.000	32.04
ATOM	375	CD1	LEU		65	-12.556	0.568	27.137	1.000	26.24
ATOM	376	CD2	LEU		65	-13.692	2.740	27.692	1.000	42.91
ATOM	377	С	LEU		65	-13.380	1.876	31.948	1.000	36.19
ATOM	378	0	LEU		65	-12.506	1.424	32.690	1.000	34.08
ATOM	379	N	PRO		66	-14.658	1.985	32.302		38.51
ATOM	380	CA	PRO		66	-15.156	1.575	33.618	1.000	
ATOM	381	CB	PRO		66	-16.682	1.595	33.438	1.000	
ATOM	382	CG	PRO		66	-16.895	2.654	32.411		
ATOM	383	CD	PRO		66	-15.733	2.545	31.463		
ATOM	384	C	PRO		66	-14.718	0.173	34.026		
ATOM	385	0	PRO		66	-14.329	-0.049	35.171		
ATOM	386	N	GLU		67	-14.780	-0.764	33.090		
		CA	GLU		67	-14.412	-2.143			36.99
ATOM	387				67	-14.780	-3.022	32.170	1.000	
ATOM	388	CB	GLU				-2.765	30.975	1.000	
ATOM	389	CG	GLU		67	-13.872	-3.329	29.706		
ATOM	390	CD	GLU		67	-14.478				
ATOM	391	OE1	GLU		67	-15.190	-4.351	29.789		
ATOM	392	OE2	GLU		67	-14.229	-2.750	28.629	1.000	
ATOM	393	C	GLU		67	-12.929	-2.311	33.685 34.309		
ATOM	394	0	GLU		67	-12.555	-3.306			
ATOM	395	N	ASN		68	-12.105	-1.357	33.266		
ATOM	396	CA	ASN		68	-10.668	-1.381	33.488		
MOTA	397	CB	ASN		68	-9.938	-0.853	32.244		
ATOM	398	CG	ASN		68	-10.071	-1.799	31.070		
ATOM	399		ASN		68	-10.219	-3.004	31.263	1.000	
MOTA	400		ASN		68	-10.021	-1.271	29.849		
ATOM	401	С	ASN		68	-10.240	-0.570	34.706		35.99
ATOM	402	0	ASN		68	-9.074	-0.612	35.110		
MOTA	403	N	ARG		69		0.170			
ATOM	404	CA	ARG		69	-10.796	1.005	36.475		
ATOM	405	CB	ARG	Α	69	-12.060	1.688	36.993		
ATOM	406	CG	ARG	A	69	-11.878	3.089	37.547		
MOTA	407	CD	ARG	Α	69	-12.710	3.262	38.819		
ATOM	408	NE	ARG	А	69	-12.615	2.076	39.666		
ATOM	409	CZ	ARG	A	69	-13.019	1.980	40.923		
ATOM	410	NH1	ARG	Α	69	-13.586	3.018	41.542		
ATOM	411		ARG		69	-12.880	0.832	41.575		
ATOM	412	С	ARG		69	-10.114	0.205	37.572		
ATOM	413	0	ARG		69	-9.102	0.634	38.135		
ATOM	414	N	GLY		70	-10.641	-0.976	37.890	1.000	34.09
ATOM	415	CA	GLY		70	-10.030	-1.844	38.877	1.000	29.32

FIGURE 14

MOTA	416	С	GLY	A	70	-8.64	5 -2.304	38.476	1.000	33.87
ATOM	417	0	GLY	Α	70	-7.86	1 -2.788	39.293	1.000	29.15
ATOM	418	N	LYS	Α	71	-8.26	9 -2.166	37.200	1.000	28.62
ATOM	419	CA	LYS	Α	71	-6.97	5 -2.730	36.805	1.000	28.56
ATOM	420	CB	LYS	Α	71	-7.14	5 -3.327	35.403	1.000	26.54
ATOM	421	CG	LYS		71	-8.20		35.340	1.000	
ATOM	422	CD	LYS		71	-8.54		33.880	1.000	
ATOM	423	CE	LYS		71	-9.76		33.744		26.92
ATOM	424	NZ	LYS		71	-10.17		32.310		25.36
ATOM	425	C	LYS		71	-5.82		36.871	1.000	
ATOM	426	Ó	LYS		71	-4.67		36.565	1.000	
ATOM	427	N	ASN		72	-6.07		37.292	1.000	
ATOM	428	CA	ASN		72	-5.01		37.438	1.000	22.33
ATOM	429	CB	ASN		72	-5.43		36.760		17.72
ATOM	430	CG	ASN		72	-5.77		35.299		20.67
ATOM	431	OD1			72	-4.96		34.534	1.000	19.13
ATOM	432	ND2			72	-6.98		34.901		22.56
ATOM	433	C	ASN		72	-4.69		38.904		22.55
ATOM	434	0	ASN		72	-5.54		39.747		27.49
ATOM	435	N	ARG		73	-3.41		39.238		24.79
ATOM	436	CA	ARG		73	-2.98		40.612		22.71
ATOM	437	CB	ARG		73	-1.52		40.761	1.000	19.16
ATOM	438	ÇG	ARG		73	-1.00		42.185		
ATOM	439	CD	ARG		73	0.45		42.254	1.000	16.95
ATOM	440	NE	ARG		73	0.54		42.281	1.000	17.30
ATOM	441	CZ	ARG		73	0.28		43.387		28.69
ATOM	442		ARG		73	-0.07		44.500		20.46
ATOM	443	NH2			73	0.37		43.383		26.38
ATOM	444	С	ARG		73	-3.22		40.990		29.57
ATOM	445	Ö	ARG		73	-3.73		42.070	1.000	23.74
ATOM	446	N	TYR		74	-2.86		40.095	1.000	22.89
ATOM	447	CA	TYR		74	-3.188		40.292	1.000	19.10
ATOM	448	CB	TYR		74	-1.94		40.496		29.90
ATOM	449	CG	TYR		74	-0.88		41.434		28.85
ATOM	450	CD1	TYR		74	-0.948		42.802	1.000	
ATOM	451	CE1	TYR		74	0.019		43.655		32.91
ATOM	452	CZ	TYR		74	1.06		43.146	1.000	32.73
ATOM	453	ОН	TYR		74	2.029		43.989	1.000	28.80
ATOM	454	CE2	TYR		74	1.15		41.791	1.000	20.37
ATOM	455		TYR		74	0.182		40.957		22.57
ATOM	456	С	TYR		74	-4.00			1.000	
ATOM	457	0	TYR		74	-3.753			1.000	
ATOM	458	N	ASN		75	-5.062		39.410		
ATOM	459	CA	ASN		75	-6.019		38.358		
ATOM	460	СВ	ASN		75	-7.389		39.014		
ATOM	461	CG	ASN		75	-7.716		39.947		
ATOM	462		ASN		75	-7.925		41.144	1.000	
ATOM	463		ASN		75	-7.745		39.403		39.56
ATOM	464	С	ASN		75	-5.533		37.534		30.63
ATOM	465	0	ASN		75	-6.101		36.497		
ATOM	466	N	ASN		76	-4.440		37.962		
ATOM	467	CA	ASN		76	-3.897		37.150		

MOTA	468	CB	ASN	A	76	-3.719	10.374	37.979 1.000 2	
ATOM	469	CG	ASN	Α	76	-2.648	10.200		8.93
ATOM	470	OD1	ASN	Α	76	-2.497	9.101	39.573 1.000 2	9.34
ATOM	471	ND2	ASN	Α	76	-1.937	11.284	39.321 1.000 2	
ATOM	472	С	ASN	Α	76	-2.570	8.694	36.526 1.000 2	9.10
ATOM	473	0	ASN		76	-1.851	9.557	36.015 1.000 3	3.33
MOTA	474	N	ILE		77	-2.273	7.392	36.558 1.000 2	4.17
ATOM	475	CA	ILE		77	-1.095	6.908		3.94
ATOM	476	CB	ILE		77	0.024	6.496	36.797 1.000 2	
ATOM	477	CG1	ILE		77	0.575	7.663	37.624 1.000 2	
ATOM	478	CD1	ILE		77	1.451	7.212	38.776 1.000 3	
					77	1.137	5.798	36.041 1.000 2	
ATOM	479	CG2	ILE				5.760	34.900 1.000 2	
ATOM	480	C	ILE		77	-1.457		35.282 1.000 1	
MOTA	481	0	ILE		77	-1.618	4.597		
MOTA	482	N	LEU		78	-1.605	6.108		
ATOM	483	CA	LEU		78	-2.172	5.202	32.641 1.000 1	
ATOM	484	СВ	LEU		78	-3.616	5.616		7.17
MOTA	485	CG	LEU		78	-4.457	6.017	33.522 1.000 2	
MOTA	486	CD1	LEU		78	-5.794	6.590	33.075 1.000 2	
ATOM	487	CD2	LEU	Α	78	-4.637	4.813		7.32
MOTA	488	С	LEU	Α	78	-1.415	5.213		7.93
ATOM	489	0	LEU	Α	78	-0.846	6.221	30.922 1.000 1	8.95
ATOM	490	N	PRO	Α	79	-1.459	4.086	30.640 1.000 2	1.12
ATOM	491	CA	PRO	Α	79	-0.773	3.971		8.86
ATOM	492	СВ	PRO	Α	79	-0.858	2.470	29.068 1.000 1	8.12
MOTA	493	CG	PRO		79	-2.148	2.076	29.721 1.000 2	1.28
ATOM	494	CD	PRO		79	-2.184	2.858	31.011 1.000 1	7.43
MOTA	495	C	PRO		79	-1.532	4.694	28.253 1.000 1	9.81
ATOM	496	Ō	PRO		79	-2.761	4.633	28.249 1.000 1	9.07
ATOM	497	N	TYR		80	-0.784	5.317	27.355 1.000 1	6.14
ATOM	498	CA	TYR		80	-1.338	5.843	26.117 1.000 1	
ATOM	499	CB	TYR		80	-0.216	6.508	25.313 1.000 2	
ATOM	500	CG	TYR		80	0.350	7.734		0.29
ATOM	501	CD1	TYR		80	-0.494	8.670	26.577 1.000 2	
	502	CE1	TYR		80	0.019	9.796	27.206 1.000 2	
ATOM	503	CZ	TYR		80	1.385	9.986		1.66
ATOM							11.103	27.859 1.000 2	
ATOM	504	OH	TYR		80	1.903	9.071		8.25
ATOM	505	CE2	TYR		80	2.239	7.946	26.047 1.000 2	
ATOM	506		TYR		80	1.722			
MOTA	507	C	TYR		80	-1.988	4.755		
ATOM	508	0	TYR		80	-1.471	3.635	25.187 1.000 2	
ATOM	509	N	ASP		81	-3.125	5.040	24.637 1.000 2	
ATOM	510	CA	ASP		81	-3.735	4.027	23.780 1.000 1	
MOTA	511	СВ	ASP		81	-5.033	4.518	23.120 1.000 2	
MOTA	512	CG	ASP	Α	81	-6.080	4.908	24.143 1.000 3	
ATOM	513	OD1	ASP	Α	81	-6.296	4.128	25.094 1.000 2	
MOTA	514	OD2	ASP	A	81	-6.688	5.992	24.010 1.000 3	
ATOM	515	С	ASP	А	81	-2.769	3.610	22.678 1.000 1	
ATOM	516	0	ASP		81	-2.722	2.439	22.278 1.000 2	
ATOM	517	N	ALA		82	-2.002	4.573	22.161 1.000 1	
ATOM	518	CA	ALA		82	-1.164	4.229	21.008 1.000 2	
ATOM	519	СВ	ALA		82	-0.654	5.520	20.373 1.000 2	5.83

ATOM	520	С	ALA .	A 82	-0.010	3.300	21.338	1.000	26.28
ATOM	521	0	ALA		0.556		20.439	1.000	
ATOM	522	N	THR .				22.584	1.000	19.03
ATOM	523	CA	THR				22.757		14.68
ATOM	524	СВ	THR		2.853		23.225	1.000	22.79
ATOM	525	OG1	THR .			3.852	24.374	1.000	18.61
ATOM	526	CG2	THR .		3.308	4.096	22.168	1.000	17.97
ATOM	527	С	THR .	A 83	1.412	1.199	23.799	1.000	22.48
ATOM	528	0	THR .	A 83	2.380	0.580	24.254	1.000	20.29
ATOM	529	N	ARG .	A 84	0.144	1.005	24.159	1.000	18.73
ATOM	530	CA	ARG .	A 84	-0.176	0.106	25.257		22.92
MOTA	531	СВ	ARG .	A 84	-1.621	0.347	25.683	1.000	27.10
MOTA	532	CG	ARG .	A 84	-2.650		24.721		21.68
ATOM	533	CD	ARG .	A 84	-4.047	0.092	25.236	1.000	25.76
ATOM	534	NE	ARG	A 84	-5.071	-0.515	24.395	1.000	
ATOM	535	CZ	ARG .		-5.698		24.648	1.000	
ATOM	536	NH1	ARG 2		-5.426		25.741	1.000	
ATOM	537	NH2	ARG A		-6.608	-2.073	23.781	1.000	
ATOM	538	С	ARG A		0.032	-1.353		1.000	
ATOM	539	0	ARG A		-0.089				21.04
ATOM	540	N	VAL		0.337	-2.204			14.13
ATOM	541	CA	VAL		0.491	-3.624	25.512	1.000	14.38 9.78
ATOM	542	CB	VAL		1.464	-4.344	26.455	1.000	
MOTA	543	CG1 CG2	VAL		1.425	-5.848 -3.814	26.218 26.306		12.51
MOTA	544 545		VAL		2.881 -0.863	-3.614 -4.313	25.593	1.000	
ATOM ATOM	545 546	С О	VAL Z		-1.573	-4.163	26.594	1.000	
ATOM	547	N	LYS A		-1.270	-5.081	24.590	1.000	
ATOM	548	CA	LYS		-2.572	-5.741	24.686	1.000	
ATOM	549	CB	LYS		-3.307	-5.564	23.347		31.33
ATOM	550	CG	LYS		-3.256	-4.147	22.803	1.000	
ATOM	551	CD	LYS A		-3.691	-4.077	21.352	1.000	
ATOM	552	CE	LYS A	A 86	-4.193	-2.688	20.990	1.000	43.70
ATOM	553	NZ	LYS A	A 86	-4.520	-2.549	19.542	1.000	37.64
ATOM	554	С	LYS A	A 86	-2.483	-7.222	25.020	1.000	24.22
MOTA	555	0	LYS Z	A 86	-1.658	-7.961	24.475	1.000	
MOTA	556	N	LEU A	A 87	-3.358	-7.682	25.911	1.000	
ATOM	557	CA	LEU A		- 3.530	-9.107	26.143		23.37
MOTA	558	CB	LEU A		-4.250	-9.392	27.460	1.000	
MOTA	559	CG	LEU A		-3.733	-8.696	28.711		
ATOM	560		LEU A		-4.614		29.904		
ATOM	561		LEU A		-2.284		28.973		
ATOM	562	C	LEU A		-4.360	-9.720	25.020		
ATOM	563	0	LEU A		-5.318	-9.094	24.555		
ATOM	564	N	SER A			-10.925	24.581		33.75
ATOM	565	CA	SER A			-11.557	23.567 23.154		
MOTA	566 567	CB	SER A			-12.913 -13.947	23.134		
ATOM	567 568	OG C	SER A			-13.947	24.014		
ATOM ATOM	569	0	SER A			-11.777	25.325		40.47
ATOM	570	N	ASN A			-11.656	23.225		
ATOM	571	CA	ASN A			-11.790	23.586		
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ATOM	572	CB	ASN	Α	89		-11.132	22.496 1.000 75.26
ATOM	573	CG	ASN	Α	89	-8.793	-11.244	21.163 1.000 78.86
ATOM	574	OD1	ASN	Α	89	-7.806	-10.546	20.946 1.000 71.99
ATOM	575	ND2	ASN	Α	89	-9.271	-12.122	20.293 1.000 90.92
ATOM	576	С	ASN	Α	89	-9.057	-13.256	23.738 1.000 79.05
ATOM	577	0	ASN	Α	89	-8.808	-14.039	22.811 1.000 73.71
ATOM	578	N	VAL	Α	90		-13.639	24.875 1.000 87.92
ATOM	579	CA	VAL		90		-15.052	25.128 1.000 94.68
ATOM	580	СВ	VAL		90		-15.629	26.140 1.000 89.31
ATOM	581	CG1			90		-15.497	25.590 1.000 54.27
ATOM	582	CG2			90		-14.923	27.491 1.000100.28
ATOM	583	С	VAL		90		-15.293	25.619 1.000102.19
ATOM	584	Ō	VAL		90		-14.798	25.014 1.000100.56
ATOM	585	N	ASP		91		-16.059	26.693 1.000105.22
ATOM	586	CA	ASP		91		-16.447	27.271 1.000103.70
ATOM	587	CB	ASP		91		-17.068	28.656 1.000107.42
ATOM	588	CG	ASP		91		-18.205	28.939 1.000107.42
ATOM	589		ASP		91		-18.900	27.974 1.000108.43
ATOM	590	OD1			91		-18.413	
ATOM	591	C	ASP		91			30.116 1.000 86.41
ATOM	592	0	ASP		91		-15.268	27.371 1.000115.28
	593	N			92		-14.223	27.924 1.000126.76
ATOM			ASP		92 92		-15.429	26.834 1.000116.43
ATOM	594	CA	ASP				-14.333	26.741 1.000116.50
ATOM	595	CB	ASP		92		-13.952	28.090 1.000111.11
ATOM	596	CG	ASP		92		-15.093	28.929 1.000103.39
ATOM	597	OD1			92		-15.908	28.441 1.000 70.91
ATOM	598		ASP		92		-15.180	30.116 1.000105.06
ATOM	599	С	ASP		92		-13.122	26.103 1.000121.44
ATOM	600	0		A	92		-13.211	24.935 1.000119.15
ATOM	601	N	ASP		93		-12.068	26.886 1.000124.91
ATOM	602	CA	ASP		93		-10.887	26.698 1.000127.04
ATOM	603	CB	ASP		93		-11.126	25.615 1.000127.70
MOTA	604	CG	ASP		93		-10.960	24.174 1.000128.89
ATOM	605		ASP		93		-11.323	23.869 1.000136.07
ATOM	606		ASP		93		-10.464	23.315 1.000126.93
MOTA	607	С	ASP		93	-15.055	-9.617	26.384 1.000125.66
ATOM	608	0	ASP		93	-15.775	-9.536	25.388 1.000112.27
ATOM	609	N	PRO		94	-14.884	-8.640	27.272 1.000123.81
ATOM	610	CA	PRO		94	-15.331	-7.253	27.126 1.000114.77
ATOM	611	СВ	PRO		94	-15.751	-6.908	28.554 1.000118.39
ATOM	612	CG	PRO		94	-14.893	-7.760	29.440 1.000121.09
MOTA	613	CD	PRO		94	-14.224	-8.799	28.586 1.000123.81
ATOM	614	С	PRO		94	-14.172	-6.360	26.685 1.000 99.08
ATOM	615	0	PRO		94	-14.080	-5.961	25.527 1.000 69.91
ATOM	616	N	CYS		95	-13.294	-6.071	27.635 1.000 91.61
ATOM	617	CA	CYS		95	-11.981	-5.485	27.441 1.000 80.21
ATOM	618	CB	CYS		95	-11.883	-4.014	27.797 1.000 80.05
ATOM	619	SG	CYS		95	-10.319	-3.186	27.438 1.000 75.64
MOTA	620	С	CYS	Α	95	-10.991	-6.285	28.303 1.000 67.30
MOTA	621	0	CYS	Α	95	-10.299	-5.735	29.149 1.000 48.15
MOTA	622	N	SER	Α	96	-10.993	-7.580	28.030 1.000 62.04
ATOM	623	CA	SER	Α	96	-10.102	-8.548	28.645 1.000 49.24

ATOM	624	CB	SER	Α	96	-1	0.644	-9.959	28.392	1.000	47.34
MOTA	625	OG	SER	Α	96	-1	0.772	-10.165	26.989	1.000	35.99
ATOM	626	С	SER	Α	96	-:	8.689	-8.404	28.091	1.000	40.83
ATOM	627	0	SER	Α	96	_	7.762	-9.091	28.530	1.000	43.79
ATOM	628	N	ASP	Α	97	-:	3.519	-7.503	27.119	1.000	33.54
ATOM	629	CA	ASP		97		7.200	-7.260	26.543	1.000	26.97
ATOM	630	СВ	ASP		97		7.333	-6.817	25.088	1.000	24.79
ATOM	631	CG	ASP		97		7.611	-5.353	24.842	1.000	
ATOM	632	OD1			97		7.973	-4.566	25.740	1.000	34.88
ATOM	633		ASP		97		7.473	-4.920	23.667		32.46
ATOM	634	C	ASP		97		6.406	-6.227	27.331	1.000	19.31
ATOM	635	0	ASP				5.239	-6.008	27.001	1.000	32.90
	636	N	TYR		98						
ATOM							7.001	-5.563	28.319	1.000	21.87
ATOM	637	CA	TYR		98		5.317	-4.446	28.958	1.000	
ATOM	638	CB	TYR		98		7.294	-3.441	29.604		22.29
ATOM	639	CG	TYR		98		5.556	-2.288	30.277		21.76
ATOM	640	CD1	TYR		98		5.012	-1.275	29.489		23.46
ATOM	641	CE1	TYR		98		5.324	-0.202	30.044	1.000	12.80
ATOM	642	CZ	TYR		98		5.184	-0.152	31.415		16.57
ATOM	643	OH	TYR		98		1.516	0.900	32.001		20.04
MOTA	644	CE2	TYR		98		5.710	-1.138	32.234	1.000	21.65
MOTA	645	CD2	TYR	A	98	- 6	5.388	-2.192	31.652	1.000	22.47
ATOM	646	С	TYR	Α	98	- 2	5.329	-4.852	30.045	1.000	23.39
ATOM	647	0	TYR	Α	98	-5	5.609	-5.609	30.964	1.000	28.32
ATOM	648	N	ILE	Α	99	- 4	1.143	-4.250	29.978	1.000	19.82
ATOM	649	CA	ILE	Α	99	-3	3.247	-4.242	31.130	1.000	21.08
ATOM	650	CB	ILE	Α	99	-2	2.185	-5.354	31.091	1.000	21.45
MOTA	651	CG1	ILE	Α	99	-1	.169	-5.304	32.224	1.000	13.12
ATOM	652	CD1	ILE	Α	99	-(.466	-6.601	32.573	1.000	15.73
ATOM	653	CG2	ILE	Α	99	-1	.481	-5.344	29.737	1.000	24.91
ATOM	654	С	ILE		99		2.593	-2.867	31.218	1.000	17.86
ATOM	655	0	ILE		99		2.362	-2.161	30.235	1.000	23.00
ATOM	656	N	ASN				2.271	-2.426	32.429	1.000	17.97
ATOM	657	CA	ASN				:523	-1.168	32.506	1.000	16.53
ATOM	658	СВ	ASN		100		.696	-0.583	33.904	1.000	15.17
ATOM	659	CG	ASN		100		.169	0.837	33.940	1.000	17.63
ATOM	660		ASN		100		0.087	1.081	33.409	1.000	19.68
ATOM	661		ASN		100		.931	1.727		1.000	19.64
ATOM	662	C	ASN				.064	-1.408		1.000	20.69
ATOM	663	0	ASN				.784	-1.727	32.977		
ATOM	664	N	ALA				.246	-1.268	30.851		11.73
ATOM	665	CA	ALA								
	666	CB					.586	-1.586	30.370 30.235		13.46
ATOM			ALA				.737	-3.096			16.17
ATOM	667	C	ALA				.842	-0.930	29.026		14.30
ATOM	668	0	ALA				.883	-0.739	28.277		15.61
ATOM	669	N	SER				.088	-0.603	28.708		17.77
ATOM	670	CA	SER				.385	0.102	27.472		18.13
ATOM	671	CB	SER				. 627	1.593	27.759		13.36
ATOM	672	OG	SER				.735	2.076	28.738		20.39
ATOM	673	С	SER				.623	-0.444	26.786		
ATOM	674	0	SER				.568	-0.832	27.475		
ATOM	675	N	TYR	A	103	4	.639	-0.454	25.452	1.000	16.79

ATOM	676	CA	TYR			5.871	-0.877	24.793		
ATOM	677	CB	TYR			5.619	-1.287	23.347		16.27
MOTA	678	CG	TYR			4.840	-2.567	23.157		15.11
ATOM	679	CD1	TYR			5.421	-3.802	23.412		
ATOM	680	CE1	TYR			4.704	-4.978	23.232		
ATOM	681	CZ	TYR	A	103	3.396	-4.922	22.798		19.98
ATOM	682	OH	TYR	Α	103	2.689	-6.094	22.625	1.000	16.85
ATOM	683	CE2	TYR	Α	103	2.797	-3.704	22.536	1.000	14.29
ATOM	684	CD2	TYR	Α	103	3.517	-2.540	22.714	1.000	12.99
ATOM	685	С	TYR	Α	103	6.847	0.293	24.853	1.000	19.42
ATOM	686	0	TYR	Α	103	6.398	1.440	24.787	1.000	21.35
ATOM	687	N	ILE	Α	104	8.143	0.039	24.983	1.000	20.28
ATOM	688	CA	ILE	Α	104	9.090	1.151	25.068	1.000	18.75
ATOM	689	CB	ILE			9.522	1.444	26.516		25.72
ATOM	690	CG1	ILE			8.372	1.673	27.507		19.54
ATOM	691	CD1	ILE			7.657	2.991	27.243		24.18
ATOM	692	CG2	ILE			10.466	2.640	26.556		25.08
ATOM	693	С	ILE			10.321	0.843	24.229		
ATOM	694	Ō	ILE			10.899	-0.236	24.356		21.99
ATOM	695	N	PRO			10.719	1.777	23.376		25.40
ATOM	696	CA	PRO			11.854	1.513	22.482		23.49
ATOM	697	СВ	PRO			11.761	2.641	21.457		25.41
ATOM	698	CG	PRO			11.030	3.747	22.133		26.30
ATOM	699	CD	PRO			10.166	3.121	23.187		24.38
ATOM	700	C	PRO			13.165	1.602	23.249		
ATOM	701	0	PRO			13.255	2.321	24.246		
ATOM	702	N	GLY			14.176	0.872	22.788		21.42
ATOM	703	CA	GLY			15.485	1.020	23.423		28.59
ATOM	704	C	GLY			16.527	1.498	22.425		30.55
ATOM	705	Ö	GLY			16.222	2.089	21.395	1.000	
ATOM	706	N	ASN			17.796	1.244	22.710		
ATOM	707	CA	ASN			18.884	1.677		1.000	
ATOM	708	СВ	ASN			20.219	1.386	22.552		28.73
ATOM	709	CG	ASN .			20.932	2.668	22.930	1.000	36.73
ATOM	710		ASN .			20.436	3.454	23.736		67.71
ATOM	711	ND2				22.095	2.891	22.331		
ATOM	712	C	ASN .			18.828	0.985	20.497		33.29
ATOM	713	Ö	ASN .			19.161	1.589	19.469		31.37
ATOM	714	N	ASN		108	18.394	-0.282	20.495	1.000	25.02
ATOM	715	CA	ASN			18.476	-1.030	19.241		
ATOM	716	СВ	ASN .			19.377	-2.255	19.480		
ATOM	717	CG	ASN .			20.794	-1.843	19.847		
ATOM	718		ASN			21.555	-1.301	19.041		
ATOM	719		ASN .			21.149	-2.103	21.097		
ATOM	720	C	ASN A			17.157	-1.472	18.642		
ATOM	721	0	ASN A			17.137	-1.922	17.485		
ATOM	722	N	PHE :			16.007	-1.389	19.306		
ATOM	723	CA	PHE			14.782	-1.693	18.557		
ATOM	724	CB	PHE			14.702	-3.179	18.334		
ATOM	725	CG	PHE I			14.889	-4.154	19.423		
ATOM	726		PHE A			13.866	-4.134	20.113		
ATOM	727		PHE A			14.130	-5.705	21.121		
AIOH	121	CDI	111111		109	14.100	5.705	C1.1C1	1.000	41.50

FIGURE 20

ATOM	728	CZ	PHE A	109	15.442	-5.997	21.459	1.000	37.10
ATOM	729	CE2	PHE A	109	16.469	-5.365	20.782	1.000	39.85
MOTA	730	CD2	PHE A	109	16.198	-4.452	19.778	1.000	33.66
ATOM	731	С	PHE A	109	13.572	-1.059	19.243		
ATOM	732	0	PHE A	109	13.663	-0.571	20.375	1.000	28.48
ATOM	733	N	ARG A	110	12.446	-1.068	18.531	1.000	21.36
ATOM	734	CA	ARG A	110	11.262	-0.340	18.981	1.000	27.72
ATOM	735	CB	ARG A	110	10.239	-0.271	17.833	1.000	27.18
ATOM	736	CG	ARG A	110	10.751	0.480	16.614	1.000	42.55
ATOM	737	CD	ARG A	110	10.188	1.893	16.543	1.000	49.91
MOTA	738	NĖ	ARG A	110	11.080	2.835	17.214	1.000	61.23
MOTA	739	CZ	ARG A	110	10.772	4.078	17.551	1.000	65.49
ATOM	740	NH1			9.569	4.569	17.287	1.000	60.40
ATOM	741	NH2			11.681	4.823	18.164	1.000	70.08
MOTA	742	С	ARG A		10.581	-0.929	20.206	1.000	31.32
MOTA	743	0	ARG A	110	10.063	-0.191	21.048	1.000	19.57
ATOM	744	N	ARG A	111	10.536	-2.256	20.315	1.000	31.03
ATOM	745	CA	ARG A	111	9.825	-2.858	21.447	1.000	28.45
MOTA	746	CB	ARG F	111	8.752	-3.826	20.971	1.000	24.30
ATOM	747	CG	ARG A	111	7.678	-3.274	20.054	1.000	26.60
MOTA	748	CD	ARG A		6.895	-4.443	19.432	1.000	26.88
MOTA	749	NE	ARG A	111	5.494	-4.083	19.259		
MOTA	750	CZ	ARG A	. 111	4.427	-4.851	19.403	1.000	38.77
ATOM	751	NH1	ARG A	. 111	4.532	-6.128	19.745	1.000	39.25
ATOM	752	NH2	ARG A	. 111	3.226	-4.319	19.199	1.000	38.01
ATOM	753	С	ARG A	. 111	10.821	-3.575	22.352	1.000	27.13
ATOM	754	0	ARG A	. 111	10.716	-4.761	22.672	1.000	22.92
ATOM	755	N	GLU A		11.827	-2.801	22.753		24.46
ATOM	756	CA	GLU A		12.921	-3.388	23.527		20.04
ATOM	757	CB	GLU A		14.147	-2.484	23.425	1.000	26.41
ATOM	758	CG	GLU A		15.469	-3.181	23.658		27.73
ATOM	759	CD	GLU A		16.662	-2.423	23.112		
ATOM	760	OE1	GLU A		17.767	-2.676	23.628		22.28
ATOM	761	OE2	GLU A		16.520	-1.592	22.191	1.000	24.96
MOTA	762	С	GLU A		12.523	-3.597	24.976		14.90
ATOM	763	0	GLU A		13.092	-4.442	25.668	1.000	
ATOM	764	N	TYR A		11.540	-2.823			12.89
ATOM	765	CA	TYR A		11.084	-2.956		1.000	16.51
ATOM	766	СВ	TYR A		11.619	-1.873	27.733	1.000	
ATOM	767	CG	TYR A		13.078	-1.515	27.619		
ATOM	768	CD1	TYR A		13.516	-0.557	26.718		
ATOM	769	CE1			14.856	-0.215	26.600		
ATOM	770	CZ	TYR A		15.762	-0.861	27.419		
ATOM	771	OH	TYR A		17.101	-0.557	27.351		
ATOM	772	CE2	TYR A		15.348	-1.814	28.327		
ATOM	773		TYR A		14.015	-2.150	28.439		
ATOM	774	С	TYR A		9.561	-2.892	26.883		
ATOM	775	0	TYR A		8.890	-2.269	26.069		17.48
ATOM	776	N	ILE A		9.052	-3.550	27.919		
ATOM	777	CA	ILE A		7.656	-3.353	28.290		16.69
ATOM	778	CB	ILE A		6.820	-4.639	28.237		
ATOM	779	CG1	ILE A	114	6.471	-5.095	26.816	1.000	12.15

ATOM 780 CD1 ILE A 114										
ATOM 781 CG2 ILE A 114 5.565 -4.473 29.088 1.000 8.30 ATOM 782 C ILE A 114 7.694 -2.763 29.700 1.000 14.01 ATOM 784 N VAL A 115 7.099 -1.596 29.869 1.000 21.26 ATOM 785 CA VAL A 115 7.099 -1.596 29.869 1.000 21.26 ATOM 786 CB VAL A 115 7.062 -0.937 31.174 1.000 13.74 ATOM 786 CB VAL A 115 7.062 -0.937 31.174 1.000 13.33 ATOM 787 CG1 VAL A 115 6.907 1.314 32.276 1.000 36.92 ATOM 789 C VAL A 115 5.679 -1.158 31.777 1.000 22.96 ATOM 789 C VAL A 115 5.679 -1.158 31.777 1.000 12.26 ATOM 790 O VAL A 115 5.679 -1.158 31.777 1.000 12.28 ATOM 791 N THR A 116 5.582 -1.561 33.041 1.000 12.85 ATOM 792 CA THR A 116 4.240 -1.763 33.594 1.000 13.54 ATOM 793 CB THR A 116 3.847 -3.242 33.400 1.000 21.30 ATOM 794 GG1 THR A 116 4.240 -1.763 33.594 1.000 12.82 ATOM 795 CG2 THR A 116 4.622 -4.140 34.364 1.000 14.82 ATOM 796 C THR A 116 4.622 -4.140 34.364 1.000 10.82 ATOM 797 O THR A 116 5.232 -0.961 35.629 1.000 19.71 ATOM 798 N GLN A 117 3.030 -1.346 35.671 1.000 12.82 ATOM 799 CA GLN A 117 3.030 -1.346 35.671 1.000 15.44 ATOM 800 CB GLN A 117 3.030 -1.346 35.671 1.000 15.18 ATOM 801 CG GLN A 117 3.030 -1.346 35.671 1.000 15.18 ATOM 802 CD GLN A 117 -1.027 -1.187 37.299 1.000 15.19 ATOM 803 CEI GLN A 117 -1.921 -2.158 37.408 1.000 15.09 ATOM 804 NE2 GLN A 117 -1.921 -2.158 37.408 1.000 15.09 ATOM 807 N GLY A 118 3.594 -3.168 40.079 1.005 15.09 ATOM 808 CA GLY A 118 3.594 -3.168 40.079 1.006 15.87 ATOM 809 C GLN A 117 -1.921 -2.158 37.408 1.000 15.87 ATOM 809 C GLN A 117 -1.921 -2.158 37.408 1.000 15.18 ATOM 801 CB GLN A 117 -1.027 -1.187 37.299 1.000 20.69 ATOM 803 CEI GLN A 117 -1.027 -1.187 37.299 1.000 20.69 ATOM 804 NE2 GLN A 117 -1.027 -1.187 37.299 1.000 20.69 ATOM 805 C GLN A 118 3.594 -3.168 40.078 1.000 15.09 ATOM 806 C GLN A 117 -1.027 -1.187 37.299 1.000 20.69 ATOM 807 N GLY A 118 3.594 -3.168 40.078 1.000 15.87 ATOM 808 CA GLY A 118 3.594 -3.168 40.078 1.000 15.87 ATOM 809 C GLY A 118 3.594 -3.168 40.078 1.000 15.87 ATOM 801 C GLY A 118 3.594 -3.168 40.078 1.000 15.93 ATOM 802 CD EV A 120 -3.264 -3.439 1.000 17.49 ATO	ATOM	780	CD1	ILE F	114	6.039	-6.546	26.725	1.000	
ATOM 782 C ILE A 114		781	CG2	ILE F	114	5.565	-4.473	29.088	1.000	8.30
ATOM 783 O ILE A 114	ATOM	782	С	ILE P	114	7.694	-2.763	29.700	1.000	14.06
ATOM 784 N VAL A 115 7.089 -1.596 29.869 1.000 14.01 ATOM 785 CA VAL A 115 7.062 -0.937 31.174 1.000 13.47 ATOM 786 CB VAL A 115 7.364 0.562 31.033 1.000 21.33 ATOM 787 CGI VAL A 115 6.907 1.314 32.276 1.000 36.92 ATOM 788 CG2 VAL A 115 8.848 0.796 30.787 1.000 22.96 ATOM 789 C VAL A 115 5.679 -1.158 31.777 1.000 17.22 ATOM 790 O VAL A 115 4.690 -0.963 31.064 1.000 14.66 ATOM 791 N THR A 116 5.582 -1.561 33.041 1.000 12.85 ATOM 792 CA THR A 116 4.240 -1.763 33.594 1.000 13.54 ATOM 793 CB THR A 116 3.847 -3.242 33.400 1.000 21.82 ATOM 795 CG2 THR A 116 4.240 -1.763 33.594 1.000 12.82 ATOM 796 C THR A 116 4.220 -4.140 34.364 1.000 10.46 ATOM 797 O THR A 116 4.622 -4.140 34.364 1.000 10.46 ATOM 798 N GLN A 117 3.030 -1.346 35.671 1.000 12.71 ATOM 798 N GLN A 117 2.879 -0.991 37.068 1.000 15.37 ATOM 800 CB GLN A 117 1.431 -0.504 37.325 1.000 15.09 ATOM 801 CG GLN A 117 -1.027 -1.187 37.299 1.000 15.09 ATOM 802 CD GLN A 117 -1.277 -1.187 37.299 1.000 15.09 ATOM 803 OE1 GLN A 117 -1.253 -0.007 37.405 1.000 25.69 ATOM 806 O GLN A 117 -1.251 -2.188 37.408 1.000 15.99 ATOM 807 N GLY A 118 3.594 -3.168 40.078 1.000 15.99 ATOM 808 CA GLY A 118 3.594 -3.168 40.078 1.000 15.99 ATOM 809 C GLN A 117 -1.277 -1.87 37.299 1.000 17.49 ATOM 808 CA GLY A 118 3.594 -3.168 40.078 1.000 16.82 ATOM 809 C GLN A 117 -1.277 -1.87 37.295 1.000 15.99 ATOM 808 CA GLY A 118 3.594 -3.168 40.078 1.000 16.87 ATOM 807 N GLY A 118 3.594 -3.168 40.078 1.000 16.87 ATOM 808 CA GLY A 118 3.594 -3.168 40.078 1.000 16.87 ATOM 808 CA GLY A 118 3.594 -3.168 40.078 1.000 15.99 ATOM 808 CA GLY A 118 3.594 -3.168 40.078 1.000 15.99 ATOM 808 CA GLY A 118 3.594 -3.168 40.078 1.000 15.99 ATOM 808 CA GLY A 118 3.594 -3.168 40.078 1.000 15.99 ATOM 808 CA GLY A 118 3.594 -3.168 40.078 1.000 15.99 ATOM 808 CA GLY A 118 3.594 -3.168 40.078 1.000 15.99 ATOM 808 CA GLY A 118 3.594 -3.168 40.078 1.000 15.99 ATOM 808 CA GLY A 118 3.594 -3.168 40.078 1.000 15.99 ATOM 808 CA GLY A 118 3.594 -3.168 40.078 1.000 15.99 ATOM 808 CA GLY A 118 3.594 -3.168 40.078 1.000 15.95 AT			0	ILE P	114	8.303	-3.348	30.598	1.000	21.26
ATOM 785 CA VAL A 115						7.089	-1.596	29.869	1.000	14.01
ATOM 786 CB VAL A 115								31.174	1.000	13.47
ATOM 787 CG1 VAL A 115										
ATOM 788 CG2 VAL A 115										
ATOM 789 C VAL A 115										
ATOM 790 O VAL A 115										
ATOM 791 N THR A 116										
ATOM 792 CA THR A 116										
ATOM 793 CB THR A 116										
ATOM 794 OG1 THR A 116										
ATOM 795 CG2 THR A 116										
ATOM 796 C THR A 116	ATOM									
ATOM 797 O THR A 116	MOTA	795	CG2							
ATOM 798 N GLN A 117 3.030 -1.346 35.671 1.000 15.37 ATOM 799 CA GLN A 117 2.879 -0.940 37.068 1.000 16.82 ATOM 800 CB GLN A 117 1.431 -0.504 37.325 1.000 15.09 ATOM 801 CG GLN A 117 -1.027 -1.187 37.299 1.000 20.69 ATOM 803 OE1 GLN A 117 -1.027 -1.187 37.299 1.000 20.69 ATOM 804 NE2 GLN A 117 -1.921 -2.158 37.408 1.000 18.66 ATOM 805 C GLN A 117 -1.921 -2.158 37.408 1.000 18.66 ATOM 806 O GLN A 117 3.356 -2.108 37.959 1.000 16.87 ATOM 806 O GLN A 117 3.356 -2.108 37.959 1.000 16.87 ATOM 807 N GLY A 118 3.513 -1.947 39.253 1.000 17.49 ATOM 808 CA GLY A 118 3.513 -1.947 39.253 1.000 17.49 ATOM 809 C GLY A 118 2.238 -3.855 40.061 1.000 15.99 ATOM 810 O GLY A 118 2.238 -3.855 40.061 1.000 18.31 ATOM 811 N PRO A 119 2.182 -5.164 39.834 1.000 24.40 ATOM 813 CB PRO A 119 2.182 -5.164 39.834 1.000 24.40 ATOM 814 CG PRO A 119 1.272 -7.296 39.388 1.000 30.48 ATOM 815 CD PRO A 119 3.310 -6.102 39.686 1.000 21.75 ATOM 816 C PRO A 119 0.033 -5.781 40.966 1.000 31.82 ATOM 817 O PRO A 119 0.033 -5.781 40.966 1.000 21.75 ATOM 818 N LEU A 120 -1.288 -5.753 40.781 1.000 19.13 ATOM 819 CA LEU A 120 -3.264 -3.439 41.494 1.000 24.74 ATOM 820 CB LEU A 120 -3.264 -3.439 41.494 1.000 24.75 ATOM 820 CB LEU A 120 -3.264 -3.439 41.494 1.000 24.79 ATOM 823 CD2 LEU A 120 -3.467 -4.949 41.613 1.000 25.27 ATOM 825 CA LEU A 120 -3.264 -3.439 41.494 1.000 25.79 ATOM 826 N PRO A 121 -3.760 -7.550 43.298 1.000 32.56 ATOM 827 CA PRO A 121 -3.269 -7.221 42.999 1.000 25.27 ATOM 826 N PRO A 121 -3.160 -7.550 43.298 1.000 22.55 ATOM 827 CA PRO A 121 -3.160 -7.550 43.298 1.000 22.33 ATOM 828 CB PRO A 121 -3.170 -8.872 43.596 1.000 23.268 ATOM 828 CB PRO A 121 -3.170 -8.872 43.596 1.000 23.268 ATOM 828 CB PRO A 121 -3.170 -7.551 45.557 1.000 23.268 ATOM 828 CB PRO A 121 -3.170 -7.551 45.557 1.000 23.268 ATOM 828 CB PRO A 121 -3.170 -7.551 45.557 1.000 23.268 ATOM 828 CB PRO A 121 -3.170 -7.551 45.557 1.000 29.77 ATOM 828 CB PRO A 121 -3.170 -7.551 45.557 1.000 29.77 ATOM 820 CD PRO A 121 -3.170 -7.551 45.557 1.000 29.77 ATOM 820 CD PRO A 121 -3.170 -7	ATOM	796	С							
ATOM 799 CA GLN A 117	ATOM	797	0							
ATOM 800 CB GLN A 117	MOTA	798	N	GLN F	117	3.030	-1.346			
ATOM 801 CG GLN A 117	ATOM	799	CA	GLN A	117	2.879	-0.940	37.068		
ATOM 802 CD GLN A 117 -1.027 -1.187 37.299 1.000 20.69 ATOM 803 OE1 GLN A 117 -1.353 -0.007 37.405 1.000 25.69 ATOM 804 NE2 GLN A 117 -1.353 -0.007 37.405 1.000 25.69 ATOM 805 C GLN A 117 -1.921 -2.158 37.408 1.000 18.66 ATOM 806 O GLN A 117 3.256 -2.108 37.959 1.000 19.79 ATOM 806 O GLN A 117 3.305 -3.228 37.431 1.000 16.87 ATOM 807 N GLY A 118 3.513 -1.947 39.253 1.000 17.49 ATOM 808 CA GLY A 118 3.594 -3.168 40.078 1.000 15.99 ATOM 809 C GLY A 118 2.238 -3.855 40.061 1.000 17.56 ATOM 810 O GLY A 118 1.217 -3.179 40.257 1.000 18.31 ATOM 811 N PRO A 119 2.182 -5.164 39.834 1.000 24.40 ATOM 812 CA PRO A 119 0.885 -5.845 39.699 1.000 30.48 ATOM 813 CB PRO A 119 1.272 -7.296 39.388 1.000 31.82 ATOM 814 CG PRO A 119 2.683 -7.227 38.899 1.000 29.01 ATOM 815 CD PRO A 119 0.033 -5.781 40.966 1.000 21.75 ATOM 816 C PRO A 119 0.033 -5.781 40.966 1.000 21.75 ATOM 817 O PRO A 119 0.531 -5.756 42.091 1.000 19.13 ATOM 818 N LEU A 120 -1.288 -5.753 40.778 1.000 30.42 ATOM 819 CA LEU A 120 -2.231 -5.801 41.886 1.000 19.13 ATOM 820 CB LEU A 120 -3.467 -4.949 41.613 1.000 24.74 ATOM 821 CG LEU A 120 -3.467 -4.949 41.613 1.000 22.55 ATOM 822 CD1 LEU A 120 -3.467 -4.949 41.613 1.000 22.55 ATOM 823 CD2 LEU A 120 -3.462 -2.849 40.458 1.000 27.98 ATOM 824 C LEU A 120 -2.588 -8.006 41.139 1.000 22.57 ATOM 825 O LEU A 120 -2.690 -7.241 42.099 1.000 22.33 ATOM 826 N PRO A 121 -3.779 -7.551 45.557 1.000 22.33 ATOM 827 CA PRO A 121 -3.779 -7.551 45.557 1.000 22.33 ATOM 828 CB PRO A 121 -3.779 -7.551 45.557 1.000 22.33 ATOM 829 CG PRO A 121 -3.779 -7.551 45.557 1.000 22.33 ATOM 829 CG PRO A 121 -3.777 -7.551 45.557 1.000 29.77 ATOM 829 CG PRO A 121 -3.777 -7.551 45.557 1.000 29.77 ATOM 829 CG PRO A 121 -3.777 -7.551 45.557 1.000 29.77	ATOM	800	CB	GLN F	117	1.431	-0.504	37.325	1.000	15.09
ATOM 802 CD GLN A 117 -1.027 -1.187 37.299 1.000 20.69 ATOM 803 OE1 GLN A 117 -1.353 -0.007 37.405 1.000 25.69 ATOM 804 NE2 GLN A 117 -1.921 -2.158 37.408 1.000 18.66 ATOM 805 C GLN A 117 3.256 -2.108 37.959 1.000 19.79 ATOM 806 O GLN A 117 3.256 -2.108 37.959 1.000 19.79 ATOM 807 N GLY A 118 3.513 -1.947 39.253 1.000 17.49 ATOM 808 CA GLY A 118 3.513 -1.947 39.253 1.000 17.49 ATOM 809 C GLY A 118 3.594 -3.168 40.078 1.000 15.99 ATOM 810 O GLY A 118 1.217 -3.179 40.257 1.000 17.56 ATOM 811 N PRO A 119 2.182 -5.164 39.834 1.000 24.40 ATOM 812 CA PRO A 119 0.885 -5.845 39.699 1.000 30.48 ATOM 813 CB PRO A 119 1.272 -7.296 39.388 1.000 31.82 ATOM 814 CG PRO A 119 2.683 -7.227 38.899 1.000 29.01 ATOM 815 CD PRO A 119 0.033 -5.781 40.966 1.000 21.75 ATOM 816 C PRO A 119 0.531 -5.756 42.091 1.000 19.13 ATOM 818 N LEU A 120 -1.288 -5.753 40.778 1.000 22.57 ATOM 819 CA LEU A 120 -2.231 -5.801 41.886 1.000 19.13 ATOM 820 CB LEU A 120 -3.467 -4.949 41.613 1.000 22.55 ATOM 821 CG LEU A 120 -3.467 -4.949 41.613 1.000 22.57 ATOM 822 CD1 LEU A 120 -3.467 -4.949 41.613 1.000 22.57 ATOM 823 CD2 LEU A 120 -3.467 -4.949 41.613 1.000 22.57 ATOM 824 C LEU A 120 -3.467 -4.949 41.613 1.000 22.57 ATOM 825 O LEU A 120 -3.467 -4.949 41.613 1.000 22.57 ATOM 826 N PRO A 121 -3.777 -7.531 45.557 1.000 22.33 ATOM 827 CA PRO A 121 -3.777 -7.531 45.557 1.000 29.77 ATOM 828 CB PRO A 121 -3.777 -7.531 45.557 1.000 29.77 ATOM 829 CG PRO A 121 -3.777 -7.531 45.557 1.000 29.77	ATOM	801	CG	GLN A	117	0.408	-1.602			
ATOM 803 OE1 GLN A 117			CD	GLN A	117	-1.027	-1.187	37.299	1.000	20.69
ATOM 804 NE2 GLN A 117 -1.921 -2.158 37.408 1.000 18.66 ATOM 805 C GLN A 117 3.256 -2.108 37.959 1.000 19.79 ATOM 806 O GLN A 117 3.305 -3.228 37.431 1.000 16.74 ATOM 807 N GLY A 118 3.513 -1.947 39.253 1.000 17.49 ATOM 808 CA GLY A 118 3.594 -3.168 40.078 1.000 15.99 ATOM 809 C GLY A 118 2.238 -3.855 40.061 1.000 17.56 ATOM 810 O GLY A 118 1.217 -3.179 40.257 1.000 18.31 ATOM 811 N PRO A 119 2.182 -5.164 39.834 1.000 24.40 ATOM 812 CA PRO A 119 0.885 -5.845 39.699 1.000 30.48 ATOM 813 CB PRO A 119 1.272 -7.296 39.388 1.000 31.48 ATOM 815 CD PRO A 119 2.683 -7.227 38.899 1.000 29.01 ATOM 815 CD PRO A 119 0.033 -5.781 40.966 1.000 21.75 ATOM 816 C PRO A 119 0.033 -5.781 40.966 1.000 21.75 ATOM 817 O PRO A 119 0.033 -5.781 40.966 1.000 31.48 ATOM 818 N LEU A 120 -1.288 -5.753 40.778 1.000 19.13 ATOM 819 CA LEU A 120 -2.231 -5.801 41.886 1.000 19.13 ATOM 820 CB LEU A 120 -3.467 -4.949 41.613 1.000 22.55 ATOM 821 CG LEU A 120 -3.467 -4.949 41.613 1.000 22.55 ATOM 822 CD1 LEU A 120 -3.462 -3.439 41.494 1.000 24.74 ATOM 823 CD2 LEU A 120 -3.462 -2.849 40.458 1.000 19.55 ATOM 824 C LEU A 120 -2.690 -7.241 42.099 1.000 27.98 ATOM 825 O LEU A 120 -2.690 -7.241 42.099 1.000 27.98 ATOM 826 N PRO A 121 -3.160 -7.550 43.298 1.000 32.56 ATOM 827 CA PRO A 121 -3.160 -7.550 43.298 1.000 32.36 ATOM 828 CB PRO A 121 -3.777 -7.531 45.557 1.000 29.77 ATOM 829 CG PRO A 121 -3.777 -7.531 45.557 1.000 30.93				GLN F	117	-1.353	-0.007	37.405	1.000	25.69
ATOM 805 C GLN A 117 3.256 -2.108 37.959 1.000 19.79 ATOM 806 O GLN A 117 3.305 -3.228 37.431 1.000 16.87 ATOM 807 N GLY A 118 3.513 -1.947 39.253 1.000 17.49 ATOM 808 CA GLY A 118 3.594 -3.168 40.078 1.000 15.99 ATOM 809 C GLY A 118 2.238 -3.855 40.061 1.000 17.56 ATOM 810 O GLY A 118 1.217 -3.179 40.257 1.000 18.31 ATOM 811 N PRO A 119 2.182 -5.164 39.834 1.000 24.40 ATOM 812 CA PRO A 119 0.885 -5.845 39.699 1.000 30.48 ATOM 813 CB PRO A 119 1.272 -7.296 39.388 1.000 31.82 ATOM 814 CG PRO A 119 2.683 -7.227 38.899 1.000 29.01 ATOM 815 CD PRO A 119 3.310 -6.102 39.686 1.000 21.75 ATOM 816 C PRO A 119 0.033 -5.781 40.966 1.000 34.89 ATOM 817 O PRO A 119 0.531 -5.756 42.091 1.000 19.13 ATOM 818 N LEU A 120 -1.288 -5.753 40.778 1.000 30.42 ATOM 819 CA LEU A 120 -2.231 -5.801 41.886 1.000 19.13 ATOM 820 CB LEU A 120 -3.467 -4.949 41.613 1.000 22.55 ATOM 821 CG LEU A 120 -3.467 -4.949 41.613 1.000 22.55 ATOM 822 CD1 LEU A 120 -3.462 -3.439 41.494 1.000 24.74 ATOM 823 CD2 LEU A 120 -3.462 -3.439 41.494 1.000 24.74 ATOM 824 C LEU A 120 -2.281 -5.801 41.886 1.000 19.55 ATOM 825 O LEU A 120 -2.588 -8.006 41.139 1.000 27.98 ATOM 826 N PRO A 121 -3.760 -7.550 43.298 1.000 32.26 ATOM 827 CA PRO A 121 -3.160 -7.550 43.298 1.000 22.33 ATOM 828 CB PRO A 121 -3.779 -8.872 43.596 1.000 22.33 ATOM 829 CG PRO A 121 -3.779 -7.531 45.557 1.000 29.77 ATOM 829 CG PRO A 121 -3.777 -7.531 45.557 1.000 29.77							-2.158	37.408	1.000	18.66
ATOM 806 O GLN A 117 3.305 -3.228 37.431 1.000 16.87 ATOM 807 N GLY A 118 3.513 -1.947 39.253 1.000 17.49 ATOM 808 CA GLY A 118 3.594 -3.168 40.078 1.000 15.99 ATOM 809 C GLY A 118 2.238 -3.855 40.061 1.000 17.56 ATOM 810 O GLY A 118 1.217 -3.179 40.257 1.000 18.31 ATOM 811 N PRO A 119 2.182 -5.164 39.834 1.000 24.40 ATOM 812 CA PRO A 119 0.885 -5.845 39.699 1.000 30.48 ATOM 813 CB PRO A 119 1.272 -7.296 39.388 1.000 31.82 ATOM 814 CG PRO A 119 2.683 -7.227 38.899 1.000 29.01 ATOM 815 CD PRO A 119 3.310 -6.102 39.686 1.000 21.75 ATOM 816 C PRO A 119 0.033 -5.781 40.966 1.000 34.89 ATOM 817 O PRO A 119 0.531 -5.756 42.091 1.000 19.13 ATOM 818 N LEU A 120 -1.288 -5.753 40.778 1.000 30.42 ATOM 820 CB LEU A 120 -2.231 -5.801 41.886 1.000 18.88 ATOM 820 CB LEU A 120 -3.467 -4.949 41.613 1.000 22.55 ATOM 821 CG LEU A 120 -3.264 -3.439 41.494 1.000 24.74 ATOM 822 CD1 LEU A 120 -3.264 -3.439 41.494 1.000 24.74 ATOM 823 CD2 LEU A 120 -3.264 -3.439 41.494 1.000 24.74 ATOM 824 C LEU A 120 -3.467 -4.949 40.458 1.000 19.55 ATOM 825 O LEU A 120 -2.588 -8.066 41.139 1.000 22.87 ATOM 825 O LEU A 120 -2.588 -8.066 41.139 1.000 22.88 ATOM 826 N PRO A 121 -3.719 -8.872 43.596 1.000 22.33 ATOM 828 CB PRO A 121 -3.719 -8.872 43.596 1.000 22.33 ATOM 828 CB PRO A 121 -3.777 -7.531 45.557 1.000 29.77 ATOM 829 CG PRO A 121 -3.777 -7.531 45.557 1.000 29.77 ATOM 829 CG PRO A 121 -3.777 -7.531 45.557 1.000 29.77 ATOM 829 CG PRO A 121 -3.777 -7.531 45.557 1.000 30.93								37.959	1.000	19.79
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							-6.660	44.477	1.000	30.93
	ATOM	831					-9.339	42.476	1.000	23.80

MOTA	832	0	PRO	Α	121	-4.596	5 -10.	. 483	42.026		
MOTA	833	N	GLY	Α	122	-5.453	8 -8	. 405	41.983	1.000	24.62
MOTA	834	CA	GLY	Α	122	-6.344	-8.	.742	40.887	1.000	23.65
ATOM	835	С	GLY	Α	122	-5.751	8.	. 605	39.505	1.000	23.11
ATOM	836	0	GLY	A	122	-6.478	8 -8.	. 836	38.533	1.000	28.12
ATOM	837	N			123	-4.480	-8.	.246	39.320	1.000	20.65
MOTA	838	CA	THR	Α	123	-3.939	-8.	.167	37.962	1.000	21.61
ATOM	839	CB			123	-3.544		.732	37.551	1.000	26.10
ATOM	840	OG1				-2.505		.195	38.380		
ATOM	841	CG2				-4.762		828	37.710	1.000	
ATOM	842	C			123	-2.713		.052	37.765	1.000	
ATOM	843	0			123	-2.184		.097	36.653		
ATOM	844	N			124	-2.249		744	38.806		
ATOM	845	CA			124	-1.015			38.633		
ATOM	846	CB			124	-0.485			39.979		
ATOM	847	CG			124	-1.476			40.964	1.000	
ATOM	848	CD			124	-0.857			42.358	1.000	
	849	CE	LYS			-1.630			43.246		
ATOM	850	NZ	LYS			-0.899			44.518	1.000	
ATOM	851	C	LYS			-1.209			37.656		
ATOM	852	0	LYS			-0.283			36.954	1.000	
ATOM			ASP			-2.412			37.545		
ATOM	853 854	N	ASP			-2.412			36.515		
ATOM	855	CA CB	ASP			-4.097			36.640		
ATOM	856	CG	ASP			-4.249			37.831		
ATOM	857		ASP			-3.285			38.618	1.000	
ATOM ATOM	858		ASP			-5.301			37.945	1.000	
ATOM	859	C	ASP			-2.450			35.120		
ATOM	860	0	ASP			-1.964			34.191		
ATOM	861	N	ASP			-2.855			34.973		
ATOM	862	CA	ASP			-2.745			33.732		
ATOM	863	CB	ASP			-3.480		.297	33.831		
ATOM	864	CG	ASP			-4.972		394	33.608	1.000	
ATOM	865		ASP			-5.419			33.084	1.000	
ATOM	866		ASP			-5.703		435	33.953		
ATOM	867	C	ASP			-1.274				1.000	
ATOM	868	0	ASP			-0.798			32.297		
ATOM	869	N	PHE			-0.544			34.473		
ATOM	870	CA	PHE			0.871		707	34.284		
ATOM	871	CB	PHE			1.493			35.604		
ATOM	872	CG	PHE			3.004		193	35.632		
ATOM	873		PHE			3.643		.020	35.266		
	874		PHE			5.024			35.292		
ATOM ATOM	875	CZ	PHE			5.790			35.682		
ATOM	876		PHE				-10.		36.044		
ATOM	877		PHE				-10.		36.036		
	878	C	PHE				-10.		33.700		
ATOM ATOM	879	0	PHE				-10.		32.784		
ATOM	880	N	TRP				-12.		34.243		
ATOM	881	CA	TRP				-13.		33.864		
ATOM	882	CB	TRP			1.695			34.942		
ATOM	883	CG	TRP				-14.		36.157		
AIOM	000	CG	TIVE	4	120	2.30.	т.	200	50.157		

ATOM	884	CD1	TRP	Α	128	2.171	-14.021	37.449	1.000	18.06
ATOM	885	NE1			128	3.264	-13.857	38.263		
ATOM	886	CE2				4.398	-13.927	37.497		13.72
ATOM	887	CD2			128		-14.142	36.169		15.37
ATOM	888	CE3			128		-14.251	35.178	1.000	
ATOM	889	CZ3			128		-14.148	35.521	1.000	13.01
ATOM	890	CH2			128	6.684	-13.932	36.859		20.19
ATOM	891	CZ2			128	5.744	-13.822	37.849	1.000	22.48
ATOM	892	С			128	1.529	-13.783	32.480	1.000	11.86
ATOM	893	0			128	2.310	-14.288	31.668	1.000	21.55
MOTA	894	N			129		-13.551	32.155	1.000	
ATOM	895	CA			129		-13.821	30.798		20.73
ATOM	896	CB			129		-13.626	30.741	1.000	17.81
ATOM	897	CG			129	-2.314	-13.971	29.375	1.000	
ATOM	898	CD	LYS	Α	129	-3.752	-13.477	29.289		37.98
ATOM	899	CE			129	-4.458	-14.085	28.083	1.000	38.08
ATOM	900	NZ			129		-15.547	28.280	1.000	56.47
ATOM	901	С			129		-12.919	29.785	1.000	24.29
MOTA	902	0			129	0.862	-13.346	28.692		28.21
ATOM	903	N			130	0.668	-11.651	30.143		19.69
ATOM	904	CA	MET				-10.735	29.351		15.73
ATOM	905	CB	MET	Α	130	1.576	-9.342	29.996	1.000	13.64
MOTA	906	CG			130	2.430	-8.380	29.162	1.000	18.33
ATOM	907	SD	MET	A	130	2.476	-6.702	29.808	1.000	23.04
ATOM	908	CE	MET			3.483	-6.962	31.274	1.000	22.96
ATOM	909	С	MET			2.897	-11.282	29.166	1.000	14.42
ATOM	910	0			130	3.384	-11.324	28.034	1.000	21.88
MOTA	911	N	VAL				-11.664	30.266	1.000	11.85
ATOM	912	CA	VAL			4.902	-12.202	30.262	1.000	21.55
ATOM	913	CB	VAL				-12.557	31.682	1.000	18.65
ATOM	914	CG1	VAL				-13.458	31.679		16.39
ATOM	915	CG2	VAL			5.688	-11.303	32.508		13.87
MOTA	916	С	VAL			4.984	-13.418	29.333	1.000	26.29
MOTA	917	0	VAL			5.892	-13.533	28.500	1.000	16.82
ATOM	918	N	TRP				-14.334	29.437	1.000	24.10
ATOM	919	CA	TRP				-15.531	28.598	1.000	23.86
ATOM	920	CB	TRP				-16.495	29.121	1.000	
ATOM	921	CG			132		-17.754	28.310	1.000	
ATOM	922	CD1	TRP				-18.027	27.370	1.000	36.86
MOTA	923		TRP				-19.278	26.835		
MOTA	924		TRP				-19.844	27.424		
ATOM	925		TRP				-18.914	28.359		
ATOM	926		TRP			4.745	-19.267	29.094		
ATOM	927		TRP				-20.499	28.890		
ATOM	928		TRP				-21.405	27.955		
ATOM	929		TRP			3.706	-21.089	27.215		
ATOM	930	С	TRP				-15.207	27.129	1.000	29.34
ATOM	931	0	TRP				-15.695	26.237		
ATOM	932	N	GLU				-14.379	26.835		
ATOM	933	CA	GLU				-14.062	25.448		
ATOM	934	CB	GLU				-13.274	25.422		
ATOM	935	CG	GLU	A	133	-0.095	-14.176	25.718	1.000	30.65

ATOM	936	CD	GLU	Α	133		-13.399	25.736		
MOTA	937	OE1	GLU	Α	133	-1.363	-12.159	25.561	1.000	34.94
ATOM	938	OE2	GLU	Α	133	-2.444	-14.049	25.925	1.000	35.41
ATOM	939	С	GLU	Α	133	3.490	-13.262	24.735	1.000	27.45
ATOM	940	0	GLU	Α	133	3.689	-13.428	23.528	1.000	24.03
ATOM	941	N	GLN			4.197	-12.382	25.449	1.000	21.95
ATOM	942	CA	GLN	Α	134	5.207	-11.554	24.787	1.000	17.30
MOTA	943	СВ	GLN				-10.184	25.466	1.000	17.87
ATOM	944	CG	GLN			3.998	-9.411	25.524		15.39
ATOM	945	CD	GLN			3.647	-8.841	24.163		19.03
ATOM	946		GLN			4.481	-8.152	23.584		36.10
ATOM	947	NE2				2.453	-9.133	23.668	1.000	
ATOM	948	C	GLN				-12.214	24.782		
ATOM	949	0	GLN				-11.579	24.396		
	950	N	ASN				-13.476	25.207	1.000	
ATOM		CA	ASN				-14.146	25.117		19.02
ATOM	951						-14.179	23.644	1.000	
ATOM	952	CB	ASN					22.810		
ATOM	953	CG	ASN				-15.129			
ATOM	954		ASN				-16.331	23.072		
ATOM	955		ASN				-14.604	21.788	1.000	
ATOM	956	C	ASN				-13.459	25.974		
MOTA	957	0			135		-13.337	25.602		
ATOM	958	N			136		-12.988	27.148	1.000	
ATOM	959	CA			136		-12.287	28.047		15.79
MOTA	960	CB			136		-11.486	29.093	1.000	
ATOM	961		VAL				-11.074	30.260		9.82
ATOM	962		VAL				-10.279	28.431		
MOTA	963	С			136			28.760		
ATOM	964	0			136		-14.252	29.262		
ATOM	965	N			137		-13.025	28.820		
MOTA	966	CA			137		-13.889	29.610		
ATOM	967	CB	HIS	Α	137		-14.513	28.743		
ATOM	968	CG	HIS	Α	137		-15.380	27.621		
MOTA	969	ND1	HIS			14.124	-16.077	26.808	1.000	
ATOM	970	CE1	HIS	Α	137		-16.758	25.899		
ATOM	971	NE2	HIS	Α	137	12.159	- 16.533	26.088	1.000	
ATOM	972	CD2	HIS	Α	137	12.018	-15.676		1.000	
ATOM	973	C	HIS	Α	137		-13.116	30.766		19.36
ATOM	974	0	HIS				-13.683	31.703		
ATOM	975	N	ASN	А	138	13.190	-11.780	30.748		
ATOM	976	CA	ASN	Α	138	13.772	-11.010	31.842		
ATOM	977	CB	ASN	Α	138	15.045	-10.301	31.351		
ATOM	978	CG	ASN	Α	138	16.123	-11.316	30.999	1.000	26.12
ATOM	979	OD1	ASN	Α	138	16.514	-11.460	29.841	1.000	27.41
ATOM	980	ND2	ASN	Α	138	16.606	-12.026	32.011	1.000	23.04
ATOM	981	С	ASN	Α	138	12.811	-9.974	32.413	1.000	21.29
ATOM	982	0	ASN	A	138	12.180	-9.217	31.666	1.000	16.20
ATOM	983	N			139	12.718	-9.937	33.737		
ATOM	984	CA	ILE			11.859		34.435	1.000	16.53
ATOM	985	CB			139	10.693		35.187	1.000	17.07
ATOM	986		ILE				-10.424	34.296	1.000	17.67
ATOM	987	CD1	ILE	Α	139	8.911	-11.494	35.031	1.000	15.33

ATOM 988 CG2 ILE A 139 9.941 -8.625 36.020 1.000 12.08 ATOM 990 C ILE A 139 12.64 -8.169 35.412 1.000 17.07 ATOM 991 N VAL A 140 12.560 -6.852 35.353 1.000 19.27 ATOM 992 CA VAL A 140 13.298 -5.966 36.242 1.000 20.32 ATOM 993 CB VAL A 140 14.088 -4.892 35.469 1.000 23.29 ATOM 995 CG2 VAL A 140 14.892 -4.018 36.427 1.000 15.64 ATOM 996 C VAL A 140 14.895 -5.563 34.419 1.000 17.79 ATOM 997 O VAL A 140 12.331 -5.254 37.179 1.000 15.64 ATOM 998 N MET A 141 12.596 -5.376 38.473 1.000 19.78 ATOM 998 N MET A 141 12.596 -5.376 38.473 1.000 19.78 ATOM 998 N MET A 141 11.718 -4.726 39.452 1.000 23.35 ATOM 1000 CB MET A 141 11.019 -5.296 40.283 1.000 25.36 ATOM 1001 CG MET A 141 11.019 -5.282 41.461 1.000 21.23 ATOM 1002 SD MET A 141 12.596 -5.832 43.707 1.000 31.17 ATOM 1003 CE MET A 141 12.541 -3.772 40.294 1.000 27.26 ATOM 1005 O MET A 141 13.509 -4.208 40.293 1.000 25.25 ATOM 1006 N VAL A 142 12.179 -2.487 40.294 1.000 23.51 ATOM 1007 CA VAL A 142 12.179 -2.487 40.299 1.000 23.51 ATOM 1008 CB VAL A 142 12.179 -2.487 40.299 1.000 23.51 ATOM 1009 CGI VAL A 142 12.179 -2.487 40.171 1.000 23.51 ATOM 1001 CC VAL A 142 12.179 -2.487 40.299 1.000 23.51 ATOM 1001 CC VAL A 142 12.179 -2.487 40.299 1.000 23.51 ATOM 1001 CC VAL A 142 12.179 -2.487 40.171 1.000 23.51 ATOM 1001 CC VAL A 142 12.179 -2.487 40.171 1.000 23.51 ATOM 1010 CC VAL A 142 12.179 -2.487 40.171 1.000 23.51 ATOM 1010 CC VAL A 142 12.631 0.200 39.250 1.000 26.06 ATOM 1011 C VAL A 142 12.631 0.200 39.250 1.000 26.07 ATOM 1010 CC VAL A 142 12.631 0.200 39.250 1.000 26.07 ATOM 1010 CC VAL A 142 12.631 0.200 39.250 1.000 26.07 ATOM 1010 CC VAL A 142 12.631 0.200 39.250 1.000 26.07 ATOM 1010 CC VAL A 143 10.731 -1.262 44.092 1.000 31.60 ATOM 1011 C C VAL A 143 10.731 -1.262 44.092 1.000 31.60 ATOM 1012 C C WAL A 143 10.731 -2.274 40.84 1.000 32.06 ATOM 1013 N THR A 143 10.731 -2.274 40.84 1.000 32.06 ATOM 1016 CGI THR A 143 10.735 -3.579 44.697 1.000 32.06 ATOM 1017 CG2 THR A 143 10.735 -3.579 44.697 1.000 32.06 ATOM 1020 C C GLN A 144 10.371 -2.074 40.375 1.000 31.								0 505	26 000	1 000	10 00
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ATOM 991 N VAL A 140 12.550 -6.852 35.353 1.000 19.27 ATOM 992 CA VAL A 140 13.298 -5.966 36.242 1.000 20.43 ATOM 993 CB VAL A 140 14.088 -4.892 35.469 1.000 23.25 ATOM 994 CG1 VAL A 140 14.892 -4.018 36.427 1.000 15.96 ATOM 995 CG2 VAL A 140 14.965 -5.563 34.419 1.000 15.96 ATOM 996 C VAL A 140 12.331 -5.254 37.179 1.000 17.79 ATOM 997 O VAL A 140 11.385 -4.619 36.709 1.000 17.79 ATOM 998 N MET A 141 12.596 -5.376 38.473 1.000 19.78 ATOM 999 CA MET A 141 11.718 -4.726 39.452 1.000 23.36 ATOM 1000 CB MET A 141 11.016 -5.796 40.283 1.000 25.59 ATOM 1001 CG MET A 141 10.199 -5.282 41.461 1.000 21.25 ATOM 1002 SD MET A 141 10.199 -5.832 41.461 1.000 21.25 ATOM 1003 CE MET A 141 12.546 -5.832 43.707 1.000 31.17 ATOM 1004 C MET A 141 13.509 -4.208 40.923 1.000 19.70 ATOM 1005 O MET A 141 13.509 -4.208 40.923 1.000 19.70 ATOM 1007 CA VAL A 142 12.179 -2.487 40.299 1.000 22.55 ATOM 1007 CA VAL A 142 12.179 -2.487 40.299 1.000 22.55 ATOM 1007 CA VAL A 142 12.179 -2.487 40.299 1.000 22.55 ATOM 1008 CB VAL A 142 12.179 -2.487 40.299 1.000 22.55 ATOM 1007 CA VAL A 142 12.179 -2.487 40.299 1.000 22.55 ATOM 1008 CB VAL A 142 12.179 -2.487 40.299 1.000 22.55 ATOM 1007 CA VAL A 142 12.179 -2.487 40.299 1.000 22.55 ATOM 1007 CA VAL A 142 12.179 -2.487 40.299 1.000 22.55 ATOM 1007 CA VAL A 142 12.179 -2.487 40.299 1.000 22.55 ATOM 1007 CA VAL A 142 12.179 -2.487 40.299 1.000 22.55 ATOM 1007 CA VAL A 142 12.179 -2.487 40.299 1.000 22.55 ATOM 1010 CG2 VAL A 142 12.151 -0.832 42.134 1.000 28.07 ATOM 1010 CG2 VAL A 142 12.151 -0.832 42.134 1.000 28.07 ATOM 1010 CG2 VAL A 142 12.151 -0.832 42.134 1.000 28.07 ATOM 1010 CG2 VAL A 142 12.151 -0.832 42.134 1.000 28.07 ATOM 1011 C C VAL A 143 11.544 -1.654 42.968 1.000 31.60 ATOM 1013 N THR A 143 11.544 -1.654 42.968 1.000 32.56 ATOM 1013 N THR A 143 11.544 -1.654 42.968 1.000 32.56 ATOM 1016 CG2 THR A 143 8.553 -0.296 44.720 1.000 32.56 ATOM 1017 CG2 GLN A 144 12.280 -3.090 47.327 1.000 31.46 ATOM 1020 CG2 GLN A 144 11.964 -2.772 48.873 1.000 27.98 ATOM 1020 CG2 GLN A 144 11.964 -2.772	MOTA		С								
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ATOM 993 CB VAL A 140 14.088 -4.892 35.469 1.000 23.29 ATOM 994 CGI VAL A 140 14.892 -4.018 36.427 1.000 15.96 ATOM 995 CG2 VAL A 140 14.965 -5.563 34.419 1.000 15.64 ATOM 996 C VAL A 140 12.331 -5.254 37.179 1.000 17.79 ATOM 997 O VAL A 140 11.385 -4.619 36.709 1.000 17.79 ATOM 997 O VAL A 140 11.385 -4.619 36.709 1.000 17.79 ATOM 998 N MET A 141 12.596 -5.376 38.473 1.000 19.78 ATOM 999 CA MET A 141 11.718 -4.726 39.452 1.000 23.36 ATOM 1001 CG MET A 141 11.016 -5.796 40.283 1.000 25.59 ATOM 1001 CG MET A 141 11.016 -5.796 40.283 1.000 27.56 ATOM 1002 SD MET A 141 10.199 -5.282 41.461 1.000 27.56 ATOM 1002 SD MET A 141 12.541 -3.772 40.294 1.000 27.26 ATOM 1005 O MET A 141 13.509 -4.208 40.923 1.000 27.26 ATOM 1005 O MET A 141 13.509 -4.208 40.923 1.000 27.26 ATOM 1005 O MET A 141 13.509 -4.208 40.923 1.000 27.26 ATOM 1006 N VAL A 142 12.199 -4.208 40.923 1.000 22.95 ATOM 1007 CA VAL A 142 12.199 -4.208 40.923 1.000 22.95 ATOM 1008 CB VAL A 142 12.981 -1.529 41.061 1.000 23.51 ATOM 1008 CB VAL A 142 12.631 0.200 39.250 1.000 24.01 ATOM 1010 CG2 VAL A 142 12.631 0.200 39.250 1.000 24.01 ATOM 1010 CG2 VAL A 142 12.631 0.200 39.250 1.000 24.00 ATOM 1011 C VAL A 142 12.151 -0.832 42.134 1.000 24.01 ATOM 1010 CG2 VAL A 142 12.631 0.200 39.250 1.000 26.62 ATOM 1011 C VAL A 142 12.631 0.200 39.250 1.000 26.02 ATOM 1012 O VAL A 142 12.631 0.200 39.250 1.000 24.00 ATOM 1015 CB THR A 143 11.544 -1.654 42.968 1.000 32.06 ATOM 1016 CG THR A 143 10.713 -1.262 44.092 1.000 31.00 32.06 ATOM 1016 CG THR A 143 10.713 -1.262 44.092 1.000 31.00 32.06 ATOM 1016 CG THR A 143 10.713 -1.262 44.092 1.000 31.00 32.06 ATOM 1016 CG THR A 143 10.713 -1.262 44.092 1.000 31.00 32.06 ATOM 1018 C THR A 143 10.715 -3.579 44.697 1.000 32.06 ATOM 1018 C THR A 143 10.735 -3.579 44.697 1.000 32.06 ATOM 1016 CG THR A 143 10.735 -3.579 44.697 1.000 32.06 ATOM 1020 CG GLN A 144 12.2357 -2.317 50.339 1.000 47.09 32.84 ATOM 1020 CG GLN A 144 12.240 -3.049 51.324 1.000 40.08 ATOM 1020 CG GLN A 144 12.240 -3.049 51.324 1.000 32.97 ATOM 1020 CG GLN A 14	ATOM	991	N								
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ATOM 995 CG2 VAL A 140 14.965 -5.563 34.419 1.000 15.64 ATOM 996 C VAL A 140 12.331 -5.254 37.179 1.000 17.79 ATOM 997 O VAL A 140 11.385 -4.619 36.709 1.000 17.79 ATOM 998 N MET A 141 12.596 -5.376 38.473 1.000 19.78 ATOM 999 CA MET A 141 11.718 -4.726 39.452 1.000 23.36 ATOM 1000 CB MET A 141 11.718 -4.726 39.452 1.000 23.36 ATOM 1001 CG MET A 141 11.016 -5.796 40.283 1.000 25.59 ATOM 1001 CG MET A 141 10.199 -5.282 41.461 1.000 21.23 ATOM 1002 SD MET A 141 10.199 -5.282 41.461 1.000 21.23 ATOM 1003 CE MET A 141 12.541 -3.772 40.294 1.000 27.56 ATOM 1003 CE MET A 141 13.509 -4.208 40.923 1.000 27.56 ATOM 1005 O MET A 141 13.509 -4.208 40.923 1.000 27.26 ATOM 1005 O MET A 141 13.509 -4.208 40.923 1.000 27.26 ATOM 1007 CA VAL A 142 12.179 -2.487 40.294 1.000 23.51 ATOM 1008 CB VAL A 142 12.981 -1.529 41.061 1.000 23.51 ATOM 1008 CB VAL A 142 13.642 -0.457 40.171 1.000 24.01 ATOM 1010 CG2 VAL A 142 13.642 -0.457 40.171 1.000 24.01 ATOM 1011 C VAL A 142 12.631 0.200 39.250 1.000 26.62 ATOM 1011 C VAL A 142 12.151 -0.832 42.134 1.000 24.92 ATOM 1013 N THR A 143 11.544 -1.654 42.968 1.000 32.06 ATOM 1014 CA THR A 143 10.713 -1.626 44.092 1.000 32.66 ATOM 1015 CB THR A 143 10.713 -1.626 44.092 1.000 32.66 ATOM 1016 CG1 THR A 143 10.713 -1.626 44.092 1.000 31.60 ATOM 1016 CG1 THR A 143 10.713 -1.526 44.092 1.000 31.60 ATOM 1016 CG1 THR A 143 10.713 -1.526 44.092 1.000 31.60 ATOM 1016 CG1 THR A 143 10.713 -1.526 44.092 1.000 31.60 ATOM 1017 CG2 THR A 143 10.713 -1.526 44.092 1.000 31.60 ATOM 1016 CG1 THR A 143 10.713 -1.526 44.092 1.000 31.60 ATOM 1017 CG2 THR A 143 10.713 -1.526 44.092 1.000 31.60 ATOM 1016 CG1 THR A 143 10.713 -1.526 44.092 1.000 31.60 ATOM 1016 CG1 THR A 143 10.713 -1.526 44.092 1.000 31.60 ATOM 1017 CG2 THR A 143 10.713 -1.526 44.092 1.000 31.60 ATOM 1016 CG1 THR A 143 10.713 -1.526 44.092 1.000 32.97 ATOM 1020 CG GIN A 144 10.371 -2.074 46.348 1.000 32.97 ATOM 1021 CG GIN A 144 11.964 -2.806 48.954 1.000 32.98 ATOM 1022 CG GIN A 144 11.964 -2.806 48.954 1.000 32.99 ATOM 1022 CG GIN A 144 12.282 -	MOTA	993	CB	VAL	Α	140	14.088	-4.892			
ATOM 996 C VAL A 140	MOTA	994	CG1	VAL	A	140	14.892	-4.018	36.427	1.000	15.96
ATOM 996 C VAL A 140 12.331 -5.254 37.179 1.000 17.79 ATOM 997 O VAL A 140 11.385 -4.619 36.709 1.000 15.65 ATOM 998 N MET A 141 12.596 -5.376 38.473 1.000 19.78 ATOM 999 CA MET A 141 11.718 -4.726 39.452 1.000 23.36 ATOM 1001 CB MET A 141 11.016 -5.796 40.283 1.000 22.55 ATOM 1001 CG MET A 141 10.199 -5.282 41.461 1.000 21.23 ATOM 1002 SD MET A 141 9.408 -6.648 42.325 1.000 27.56 ATOM 1003 CE MET A 141 12.541 -3.772 40.294 1.000 27.26 ATOM 1004 C MET A 141 13.509 -4.208 40.923 1.000 27.56 ATOM 1005 O MET A 141 13.509 -4.208 40.923 1.000 19.70 ATOM 1006 N VAL A 142 12.179 -2.487 40.299 1.000 22.95 ATOM 1007 CA VAL A 142 12.1981 -1.529 41.061 1.000 22.95 ATOM 1008 CB VAL A 142 13.642 -0.457 40.171 1.000 24.01 ATOM 1009 CG1 VAL A 142 12.631 0.200 39.250 1.000 26.62 ATOM 1011 C VAL A 142 12.631 0.200 39.250 1.000 24.80 ATOM 1012 O VAL A 142 12.631 0.200 39.250 1.000 24.80 ATOM 1013 N THR A 143 10.713 -1.262 44.092 1.000 31.60 ATOM 1014 CA THR A 143 10.713 -1.262 44.092 1.000 31.60 ATOM 1015 CB THR A 143 8.489 -2.040 43.150 1.000 32.56 ATOM 1016 CG1 THR A 143 10.608 -2.414 45.081 1.000 27.98 ATOM 1010 CG2 CB THR A 143 10.608 -2.414 45.081 1.000 32.96 ATOM 1010 CG2 CB THR A 143 10.608 -2.414 45.081 1.000 32.96 ATOM 1010 CG2 CB THR A 143 10.608 -2.414 45.081 1.000 32.96 ATOM 1010 CG2 CB THR A 143 10.608 -2.414 45.081 1.000 32.96 ATOM 1010 CG1 THR A 143 10.608 -2.414 45.081 1.000 32.96 ATOM 1010 CG1 THR A 143 10.608 -2.414 45.081 1.000 32.96 ATOM 1010 CG2 CB THR A 143 10.608 -2.414 45.081 1.000 32.96 ATOM 1010 CG1 CG CB THR A 143 10.608 -2.414 45.081 1.000 32.96 ATOM 1010 CG1 CG CB THR A 143 10.608 -2.414 45.081 1.000 32.96 ATOM 1020 C CG CB	ATOM	995	CG2	VAL	Α	140	14.965	-5.563			
ATOM 997 O VAL A 140	ATOM		С	VAL	Α	140	12.331	-5.254	37.179	1.000	17.79
ATOM 998 N MET A 141 12.596 -5.376 38.473 1.000 19.78 ATOM 999 CA MET A 141 11.718 -4.726 39.452 1.000 23.36 ATOM 1001 CB MET A 141 11.016 -5.796 40.283 1.000 25.59 ATOM 1001 CG MET A 141 10.199 -5.282 41.461 1.000 21.23 ATOM 1002 SD MET A 141 9.408 -6.648 42.325 1.000 27.26 ATOM 1003 CE MET A 141 12.541 -3.772 40.294 1.000 31.17 ATOM 1006 C MET A 141 13.509 -4.208 40.923 1.000 19.70 ATOM 1006 N WAL A 142 12.179 -2.487 40.299 1.000 27.26 ATOM 1007 CA VAL A 142 12.179 -2.487 40.299 1.000 23.51 ATOM 1008 CB VAL A 142 13.642 -0.457 40.171 1.000 24.01 ATOM 1009 CG1 VAL A 142 12.631 0.200 39.250 1.000 26.62 ATOM 1011 C VAL A 142 12.631 0.200 39.250 1.000 24.02 ATOM 1011 C VAL A 142 12.631 0.200 39.250 1.000 24.90 ATOM 1012 O VAL A 142 12.092 0.396 42.186 1.000 24.92 ATOM 1013 N THR A 143 11.544 -1.654 42.968 1.000 24.92 ATOM 1016 CG THR A 143 11.544 -1.654 42.968 1.000 31.60 ATOM 1016 CG THR A 143 8.549 -2.040 43.150 1.000 31.60 ATOM 1016 CG THR A 143 8.489 -2.040 43.150 1.000 19.73 ATOM 1018 C THR A 143 10.735 -3.579 44.697 1.000 32.54 ATOM 1019 C THR A 143 10.608 -2.414 45.081 1.000 32.84 ATOM 1010 CG CG CHR A 144 10.371 -2.024 46.991 1.000 32.64 ATOM 1012 C G CHR A 143 8.549 -2.040 43.150 1.000 32.54 ATOM 1016 CG THR A 143 10.608 -2.414 45.081 1.000 32.84 ATOM 1017 CG2 THR A 143 10.608 -2.414 45.081 1.000 32.84 ATOM 1018 C THR A 143 10.608 -2.414 45.081 1.000 32.84 ATOM 1020 N GLN A 144 10.371 -2.074 46.388 1.000 33.83 ATOM 1021 CA GLN A 144 11.964 -2.806 48.954 1.000 33.83 ATOM 1022 CB GLN A 144 11.964 -2.806 48.954 1.000 32.84 ATOM 1023 CG GLN A 144 12.240 -3.049 51.324 1.000 47.09 ATOM 1024 CD GLN A 144 12.257 -2.317 50.339 1.000 47.09 ATOM 1023 CG GLN A 144 12.260 -3.049 51.324 1.000 32.84 ATOM 1023 CG GLN A 144 12.260 -3.049 51.324 1.000 32.87 ATOM 1023 CG GLN A 144 12.260 -3.049 51.324 1.000 32.87 ATOM 1023 CG GLN A 144 12.260 -3.049 51.324 1.000 32.87 ATOM 1023 CG GLN A 144 12.260 -3.049 51.324 1.000 32.97 ATOM 1031 CB CYS A 145 6.436 -4.376 47.762 1.000 32.97 ATOM 1032 CG GLN A 144 12.260 -3.049 51.324 1.			0	VAL	Α	140	11.385	-4.619	36.709	1.000	15.65
ATOM 999 CA MET A 141 11.718 -4.726 39.452 1.000 23.36 ATOM 1000 CB MET A 141 11.016 -5.796 40.283 1.000 25.59 ATOM 1001 CG MET A 141 11.016 -5.796 40.283 1.000 27.56 ATOM 1002 SD MET A 141 9.408 -6.648 42.325 1.000 27.56 ATOM 1003 CE MET A 141 8.617 -5.832 43.707 1.000 31.17 ATOM 1004 C MET A 141 12.541 -3.772 40.294 1.000 27.26 ATOM 1005 O MET A 141 13.509 -4.208 40.923 1.000 19.70 ATOM 1006 N VAL A 142 12.179 -2.487 40.299 1.000 22.95 ATOM 1007 CA VAL A 142 12.179 -2.487 40.299 1.000 23.51 ATOM 1008 CB VAL A 142 13.642 -0.457 40.171 1.000 24.01 ATOM 1010 CG2 VAL A 142 12.641 -0.457 40.171 1.000 24.01 ATOM 1010 CG2 VAL A 142 12.641 -0.832 42.134 1.000 24.80 ATOM 1010 CG2 VAL A 142 12.651 -0.832 42.134 1.000 24.80 ATOM 1011 C VAL A 142 12.551 -0.832 42.134 1.000 24.80 ATOM 1012 O VAL A 142 12.509 0.396 42.186 1.000 24.92 ATOM 1013 N THR A 143 11.544 -1.654 42.968 1.000 24.92 ATOM 1015 CB THR A 143 10.713 -1.262 44.092 1.000 31.60 ATOM 1016 GG1 THR A 143 8.553 -0.296 44.720 1.000 32.56 ATOM 1016 GG1 THR A 143 8.553 -0.296 44.720 1.000 32.56 ATOM 1017 CG2 THR A 143 8.553 -0.296 44.720 1.000 32.56 ATOM 1018 C THR A 143 10.713 -1.262 44.092 1.000 31.60 ATOM 1016 CG THR A 143 8.489 -2.040 43.150 1.000 13.60 ATOM 1019 O THR A 143 10.735 -3.579 44.697 1.000 32.84 ATOM 1020 N GLN A 144 10.371 -2.074 46.348 1.000 28.66 ATOM 1020 CG GLN A 144 12.357 -2.317 50.339 1.000 47.98 ATOM 1022 CB GLN A 144 12.240 -3.090 47.327 1.000 31.86 ATOM 1022 CB GLN A 144 12.240 -3.090 47.327 1.000 32.84 ATOM 1022 CB GLN A 144 12.240 -3.090 47.327 1.000 32.84 ATOM 1022 CB GLN A 144 12.240 -3.090 47.327 1.000 32.84 ATOM 1023 CG GLN A 144 12.240 -3.090 47.327 1.000 32.84 ATOM 1023 CG GLN A 144 12.240 -3.090 47.327 1.000 32.97 ATOM 1025 OEI GLN A 144 12.240 -3.090 47.327 1.000 32.97 ATOM 1025 OEI GLN A 144 12.240 -3.094 47.815 1.000 47.98 ATOM 1023 CG GLN A 144 12.240 -3.094 47.815 1.000 27.56 ATOM 1033 C CYS A 145 6.486 -2.988 49.733 1.000 27.50 ATOM 1035 CG GLN A 144 12.287 -3.17 50.339 1.000 47.09 ATOM 1035 CG GLN A 144 12.287 -3.095 44.72								-5.376	38.473	1.000	19.78
ATOM 1000 CB MET A 141 11.016 -5.796 40.283 1.000 25.59 ATOM 1001 CG MET A 141 10.199 -5.282 41.461 1.000 27.26 ATOM 1002 SD MET A 141 9.408 -6.648 42.325 1.000 27.56 ATOM 1003 CE MET A 141 8.617 -5.832 43.707 1.000 31.17 ATOM 1004 C MET A 141 13.509 -4.208 40.294 1.000 27.26 ATOM 1005 O MET A 141 13.509 -4.208 40.294 1.000 27.26 ATOM 1006 N VAL A 142 12.179 -2.487 40.294 1.000 22.95 ATOM 1007 CA VAL A 142 12.179 -2.487 40.294 1.000 23.51 ATOM 1008 CB VAL A 142 12.981 -1.529 41.061 1.000 23.51 ATOM 1009 CG1 VAL A 142 12.631 0.200 39.250 1.000 28.07 ATOM 1010 CG2 VAL A 142 12.631 0.200 39.250 1.000 24.01 ATOM 1010 CG2 VAL A 142 12.631 0.200 39.250 1.000 24.80 ATOM 1011 C VAL A 142 12.199 0.396 42.134 1.000 24.92 ATOM 1013 N THR A 143 11.544 -1.654 42.968 1.000 32.06 ATOM 1014 CA THR A 143 10.713 -1.262 44.092 1.000 32.06 ATOM 1015 CB THR A 143 9.303 -0.845 43.629 1.000 32.06 ATOM 1016 CG1 THR A 143 9.303 -0.845 43.629 1.000 32.56 ATOM 1016 CG1 THR A 143 10.713 -1.262 44.092 1.000 32.56 ATOM 1016 CG1 THR A 143 10.713 -1.262 44.092 1.000 32.56 ATOM 1016 CG1 THR A 143 10.713 -1.262 44.092 1.000 32.56 ATOM 1016 CG1 THR A 143 10.713 -1.262 44.092 1.000 32.56 ATOM 1016 CG1 THR A 143 10.713 -1.262 44.091 1.000 32.56 ATOM 1012 C CG CTHR A 143 10.713 -1.262 44.091 1.000 32.56 ATOM 1016 CG1 THR A 143 10.713 -1.262 44.091 1.000 32.84 ATOM 1020 N GLN A 144 10.371 -2.074 46.348 1.000 32.84 ATOM 1020 CG CG CHN A 144 10.371 -2.074 46.348 1.000 33.83 ATOM 1020 CG CG CHN A 144 10.371 -2.074 46.348 1.000 33.83 ATOM 1020 CG CG CHN A 144 12.357 -2.317 50.339 1.000 47.09 ATOM 1023 CG CG CHN A 144 12.282 -1.075 50.438 1.000 32.97 ATOM 1023 CG CG CHN A 144 12.357 -2.317 50.339 1.000 47.09 ATOM 1023 CG CG CHN A 144 12.282 -1.075 50.438 1.000 32.97 ATOM 1023 CG CHN A 144 12.282 -1.075 50.438 1.000 32.97 ATOM 1030 CA CYS A 145 6.486 -3.484 47.762 1.000 27.64 ATOM 1031 CB CYS A 145 6.486 -3.484 47.762 1.000 27.64 ATOM 1032 CG CYS A 145 6.486 -3.404 48.716 1.000 29.75 ATOM 1035 CC CYS A 145 6.486 -2.988 49.733 1.000 29.75 ATOM 1033 C CYS A								-4.726	39.452	1.000	23.36
ATOM 1001 CG MET A 141								-5.796	40.283	1.000	25.59
ATOM 1002 SD MET A 141 9.408 -6.648 42.325 1.000 27.56 ATOM 1003 CE MET A 141 8.617 -5.832 43.707 1.000 31.17 ATOM 1004 C MET A 141 12.541 -3.772 40.294 1.000 27.26 ATOM 1005 O MET A 141 13.509 -4.208 40.923 1.000 19.70 ATOM 1006 N VAL A 142 12.179 -2.487 40.299 1.000 22.95 ATOM 1007 CA VAL A 142 12.179 -2.487 40.299 1.000 23.51 ATOM 1008 CB VAL A 142 12.981 -1.529 41.061 1.000 23.51 ATOM 1009 CG1 VAL A 142 14.774 -1.104 39.384 1.000 28.07 ATOM 1010 CG2 VAL A 142 12.631 0.200 39.250 1.000 26.62 ATOM 1011 C VAL A 142 12.151 -0.832 42.134 1.000 24.80 ATOM 1012 O VAL A 142 12.151 -0.832 42.134 1.000 24.80 ATOM 1013 N THR A 143 11.544 -1.654 42.968 1.000 32.06 ATOM 1014 CA THR A 143 10.713 -1.262 44.092 1.000 31.60 ATOM 1015 CB THR A 143 9.303 -0.845 43.629 1.000 32.56 ATOM 1017 CG2 THR A 143 8.553 -0.296 44.720 1.000 32.56 ATOM 1018 C THR A 143 8.553 -0.296 44.720 1.000 32.56 ATOM 1019 O THR A 143 10.713 -1.262 44.092 1.000 32.56 ATOM 1010 CG2 THR A 143 8.489 -2.040 43.150 1.000 19.73 ATOM 1010 CG2 THR A 143 10.735 -3.579 44.697 1.000 32.84 ATOM 1010 O THR A 143 10.735 -3.579 44.697 1.000 32.84 ATOM 1020 N GLN A 144 10.371 -2.074 46.348 1.000 32.84 ATOM 1020 C G GLN A 144 10.371 -2.074 46.348 1.000 32.84 ATOM 1020 C G GLN A 144 10.371 -2.074 46.348 1.000 32.84 ATOM 1020 C G GLN A 144 10.371 -2.074 46.348 1.000 32.84 ATOM 1020 C G GLN A 144 10.371 -2.074 46.348 1.000 32.84 ATOM 1021 CA GLN A 144 12.357 -2.317 50.339 1.000 47.09 ATOM 1022 CB GLN A 144 12.357 -2.317 50.339 1.000 47.09 ATOM 1024 CD GLN A 144 12.2828 -1.075 50.339 1.000 32.97 ATOM 1025 OEI GLN A 144 12.828 -1.075 50.339 1.000 32.97 ATOM 1026 NE2 GLN A 144 12.828 -1.075 50.339 1.000 32.97 ATOM 1027 C GLN A 144 12.828 -1.075 50.339 1.000 32.97 ATOM 1028 O GLN A 144 12.828 -1.075 50.339 1.000 32.97 ATOM 1030 CA CYS A 145 6.485 -6.965 46.749 1.000 32.97 ATOM 1031 CB CYS A 145 6.485 -6.965 46.749 1.000 32.97 ATOM 1033 C CYS A 145 6.485 -6.965 46.749 1.000 32.97 ATOM 1034 O CYS A 145 6.486 -3.404 4.981 -1.619 52.999 1.000 35.63 ATOM 1033 CGI VAL A 146 6.480											
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ATOM 1005 O MET A 141 13.509 -4.208 40.923 1.000 19.70 ATOM 1006 N VAL A 142 12.179 -2.487 40.299 1.000 22.95 ATOM 1007 CA VAL A 142 12.981 -1.529 41.061 1.000 23.51 ATOM 1008 CB VAL A 142 13.642 -0.457 40.171 1.000 24.01 ATOM 1009 CG1 VAL A 142 14.774 -1.104 39.384 1.000 28.07 ATOM 1010 CG2 VAL A 142 12.631 0.200 39.250 1.000 26.62 ATOM 1011 C VAL A 142 12.631 0.200 39.250 1.000 24.92 ATOM 1012 O VAL A 142 12.092 0.396 42.134 1.000 24.92 ATOM 1013 N THR A 143 11.544 -1.654 42.968 1.000 24.92 ATOM 1015 CB THR A 143 10.713 -1.262 44.092 1.000 31.60 ATOM 1015 CB THR A 143 9.303 -0.845 43.629 1.000 32.56 ATOM 1016 OG1 THR A 143 8.553 -0.296 44.720 1.000 32.56 ATOM 1017 CG2 THR A 143 8.489 -2.040 43.150 1.000 32.84 ATOM 1018 C THR A 143 10.608 -2.414 45.081 1.000 32.84 ATOM 1019 O THR A 143 10.735 -3.579 44.697 1.000 33.88 ATOM 1020 N GLN A 144 10.371 -2.074 46.348 1.000 33.88 ATOM 1021 CA GLN A 144 10.371 -2.074 46.348 1.000 33.88 ATOM 1022 CB GLN A 144 10.371 -2.074 46.348 1.000 33.83 ATOM 1023 CG GLN A 144 10.464 -2.772 48.733 1.000 28.66 ATOM 1023 CG GLN A 144 11.964 -2.806 48.954 1.000 33.87 ATOM 1025 CBI GLN A 144 12.357 -2.317 50.339 1.000 47.09 ATOM 1025 CBI GLN A 144 12.257 -2.317 50.339 1.000 47.09 ATOM 1025 CBI GLN A 144 12.257 -2.317 50.339 1.000 47.09 ATOM 1025 CBI GLN A 144 12.257 -2.317 50.339 1.000 47.09 ATOM 1025 CBI GLN A 144 12.288 -1.075 50.438 1.000 32.97 ATOM 1027 C GLN A 144 12.288 -1.075 50.438 1.000 32.97 ATOM 1027 C GLN A 144 12.288 -1.075 50.438 1.000 32.97 ATOM 1028 O GLN A 144 12.288 -1.075 50.438 1.000 32.97 ATOM 1029 N CYS A 145 6.434 -4.376 47.762 1.000 32.97 ATOM 1031 CB CYS A 145 6.485 6.485 -6.965 46.740 1.000 32.97 ATOM 1031 CB CYS A 145 6.485 -6.965 46.740 1.000 27.50 ATOM 1033 C CYS A 145 6.485 -6.965 46.740 1.000 27.50 ATOM 1033 C CYS A 145 6.485 -6.965 46.740 1.000 29.39 ATOM 1033 C CYS A 145 6.485 -6.965 46.740 1.000 29.39 ATOM 1033 C CYS A 145 6.485 -6.965 46.740 1.000 32.97 ATOM 1033 C CYS A 145 6.485 -6.965 46.740 1.000 32.97 ATOM 1033 C CYS A 145 6.485 -6.965 46.740 1.00											
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ATOM 1025 OE1 GLN A 144 12.240 -3.049 51.324 1.000 40.08 ATOM 1026 NE2 GLN A 144 12.828 -1.075 50.438 1.000 32.97 ATOM 1027 C GLN A 144 8.469 -3.184 47.268 1.000 30.87 ATOM 1028 O GLN A 144 7.859 -2.272 46.701 1.000 27.64 ATOM 1029 N CYS A 145 7.887 -4.240 47.815 1.000 32.97 ATOM 1030 CA CYS A 145 6.434 -4.376 47.762 1.000 27.50 ATOM 1031 CB CYS A 145 6.053 -5.820 48.082 1.000 24.78 ATOM 1032 SG CYS A 145 6.485 -6.965 46.749 1.000 32.93 ATOM 1033 C CYS A 145 5.746 -3.404 48.716 1.000 29.39 ATOM 1034 O CYS A 145 4.579 -3.052 48.520 1.000 29.75 ATOM 1035 N VAL A 146 6.480 -2.988 49.733 1.000 32.17 ATOM 1036 CA VAL A 146 6.060 -2.022 50.744 1.000 32.69 ATOM 1037 CB VAL A 146 5.547 -2.672 52.039 1.000 28.22 ATOM 1038 CG1 VAL A 146 4.981 -1.619 52.989 1.000 28.22	ATOM	1023									
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ATOM 1027 C GLN A 144 8.469 -3.184 47.268 1.000 30.87 ATOM 1028 O GLN A 144 7.859 -2.272 46.701 1.000 27.64 ATOM 1029 N CYS A 145 7.887 -4.240 47.815 1.000 32.97 ATOM 1030 CA CYS A 145 6.434 -4.376 47.762 1.000 27.50 ATOM 1031 CB CYS A 145 6.053 -5.820 48.082 1.000 24.78 ATOM 1032 SG CYS A 145 6.485 -6.965 46.749 1.000 32.93 ATOM 1033 C CYS A 145 5.746 -3.404 48.716 1.000 29.39 ATOM 1034 O CYS A 145 4.579 -3.052 48.520 1.000 29.75 ATOM 1035 N VAL A 146 6.480 -2.988 49.733 1.000 32.17 ATOM 1036 CA VAL A 146 6.060 -2.022 50.744 1.000 32.69 ATOM 1037 CB VAL A 146 5.547 -2.672 52.039 1.000 35.63 ATOM 1038 CG1 VAL A 146 4.981 -1.619 52.989 1.000 28.22	ATOM										
ATOM 1028 O GLN A 144 7.859 -2.272 46.701 1.000 27.64 ATOM 1029 N CYS A 145 7.887 -4.240 47.815 1.000 32.97 ATOM 1030 CA CYS A 145 6.434 -4.376 47.762 1.000 27.50 ATOM 1031 CB CYS A 145 6.053 -5.820 48.082 1.000 24.78 ATOM 1032 SG CYS A 145 6.485 -6.965 46.749 1.000 32.93 ATOM 1033 C CYS A 145 5.746 -3.404 48.716 1.000 29.39 ATOM 1034 O CYS A 145 4.579 -3.052 48.520 1.000 29.75 ATOM 1035 N VAL A 146 6.480 -2.988 49.733 1.000 32.17 ATOM 1036 CA VAL A 146 6.060 -2.022 50.744 1.000 32.69 ATOM 1037 CB VAL A 146 5.547 -2.672 52.039 1.000 35.63 ATOM 1038 CG1 VAL A 146 4.981 -1.619 52.989 1.000 28.22											
ATOM 1029 N CYS A 145 7.887 -4.240 47.815 1.000 32.97 ATOM 1030 CA CYS A 145 6.434 -4.376 47.762 1.000 27.50 ATOM 1031 CB CYS A 145 6.053 -5.820 48.082 1.000 24.78 ATOM 1032 SG CYS A 145 6.485 -6.965 46.749 1.000 32.93 ATOM 1033 C CYS A 145 5.746 -3.404 48.716 1.000 29.39 ATOM 1034 O CYS A 145 4.579 -3.052 48.520 1.000 29.75 ATOM 1035 N VAL A 146 6.480 -2.988 49.733 1.000 32.17 ATOM 1036 CA VAL A 146 6.060 -2.022 50.744 1.000 32.69 ATOM 1037 CB VAL A 146 5.547 -2.672 52.039 1.000 35.63 ATOM 1038 CG1 VAL A 146 4.981 -1.619 52.989 1.000 28.22	MOTA	1027	С	GLN	A	144	8.469				
ATOM 1030 CA CYS A 145 6.434 -4.376 47.762 1.000 27.50 ATOM 1031 CB CYS A 145 6.053 -5.820 48.082 1.000 24.78 ATOM 1032 SG CYS A 145 6.485 -6.965 46.749 1.000 32.93 ATOM 1033 C CYS A 145 5.746 -3.404 48.716 1.000 29.39 ATOM 1034 O CYS A 145 4.579 -3.052 48.520 1.000 29.75 ATOM 1035 N VAL A 146 6.480 -2.988 49.733 1.000 32.17 ATOM 1036 CA VAL A 146 6.060 -2.022 50.744 1.000 32.69 ATOM 1037 CB VAL A 146 5.547 -2.672 52.039 1.000 35.63 ATOM 1038 CG1 VAL A 146 4.981 -1.619 52.989 1.000 28.22	ATOM	1028	0	GLN	Α	144	7.859	-2.272			
ATOM 1031 CB CYS A 145 6.053 -5.820 48.082 1.000 24.78 ATOM 1032 SG CYS A 145 6.485 -6.965 46.749 1.000 32.93 ATOM 1033 C CYS A 145 5.746 -3.404 48.716 1.000 29.39 ATOM 1034 O CYS A 145 4.579 -3.052 48.520 1.000 29.75 ATOM 1035 N VAL A 146 6.480 -2.988 49.733 1.000 32.17 ATOM 1036 CA VAL A 146 6.060 -2.022 50.744 1.000 32.69 ATOM 1037 CB VAL A 146 5.547 -2.672 52.039 1.000 35.63 ATOM 1038 CG1 VAL A 146 4.981 -1.619 52.989 1.000 28.22	MOTA	1029	N	CYS	Α	145	7.887	-4.240			
ATOM 1032 SG CYS A 145 6.485 -6.965 46.749 1.000 32.93 ATOM 1033 C CYS A 145 5.746 -3.404 48.716 1.000 29.39 ATOM 1034 O CYS A 145 4.579 -3.052 48.520 1.000 29.75 ATOM 1035 N VAL A 146 6.480 -2.988 49.733 1.000 32.17 ATOM 1036 CA VAL A 146 6.060 -2.022 50.744 1.000 32.69 ATOM 1037 CB VAL A 146 5.547 -2.672 52.039 1.000 35.63 ATOM 1038 CG1 VAL A 146 4.981 -1.619 52.989 1.000 28.22	ATOM	1030	CA	CYS	A	145	6.434	-4.376			
ATOM 1033 C CYS A 145 5.746 -3.404 48.716 1.000 29.39 ATOM 1034 O CYS A 145 4.579 -3.052 48.520 1.000 29.75 ATOM 1035 N VAL A 146 6.480 -2.988 49.733 1.000 32.17 ATOM 1036 CA VAL A 146 6.060 -2.022 50.744 1.000 32.69 ATOM 1037 CB VAL A 146 5.547 -2.672 52.039 1.000 35.63 ATOM 1038 CG1 VAL A 146 4.981 -1.619 52.989 1.000 28.22	MOTA	1031	CB	CYS	A	145	6.053	-5.820			
ATOM 1033 C CYS A 145 5.746 -3.404 48.716 1.000 29.39 ATOM 1034 O CYS A 145 4.579 -3.052 48.520 1.000 29.75 ATOM 1035 N VAL A 146 6.480 -2.988 49.733 1.000 32.17 ATOM 1036 CA VAL A 146 6.060 -2.022 50.744 1.000 32.69 ATOM 1037 CB VAL A 146 5.547 -2.672 52.039 1.000 35.63 ATOM 1038 CG1 VAL A 146 4.981 -1.619 52.989 1.000 28.22	ATOM	1032	SG	CYS	Α	145	6.485	-6.965			
ATOM 1034 O CYS A 145 4.579 -3.052 48.520 1.000 29.75 ATOM 1035 N VAL A 146 6.480 -2.988 49.733 1.000 32.17 ATOM 1036 CA VAL A 146 6.060 -2.022 50.744 1.000 32.69 ATOM 1037 CB VAL A 146 5.547 -2.672 52.039 1.000 35.63 ATOM 1038 CG1 VAL A 146 4.981 -1.619 52.989 1.000 28.22							5.746	-3.404			
ATOM 1035 N VAL A 146 6.480 -2.988 49.733 1.000 32.17 ATOM 1036 CA VAL A 146 6.060 -2.022 50.744 1.000 32.69 ATOM 1037 CB VAL A 146 5.547 -2.672 52.039 1.000 35.63 ATOM 1038 CG1 VAL A 146 4.981 -1.619 52.989 1.000 28.22								-3.052	48.520	1.000	29.75
ATOM 1036 CA VAL A 146 6.060 -2.022 50.744 1.000 32.69 ATOM 1037 CB VAL A 146 5.547 -2.672 52.039 1.000 35.63 ATOM 1038 CG1 VAL A 146 4.981 -1.619 52.989 1.000 28.22			N	VAL	A	146	6.480	-2.988			
ATOM 1037 CB VAL A 146 5.547 -2.672 52.039 1.000 35.63 ATOM 1038 CG1 VAL A 146 4.981 -1.619 52.989 1.000 28.22								-2.022			
ATOM 1038 CG1 VAL A 146 4.981 -1.619 52.989 1.000 28.22								-2.672	52.039	1.000	35.63
									52.989	1.000	28.22
			CG2	VAL	A	146	4.490	-3.724	51.746	1.000	39.32

ATOM 1040 C VAL A 146											
ATOM 1041 O VAL A 146 8.312 -1.600 51.466 1.000 30.54 ATOM 1042 N GLU A 147 7.053 0.184 50.987 1.000 26.84 ATOM 1043 CA GLU A 147 8.151 1.23 51.322 1.000 34.58 ATOM 1046 CB GLU A 147 8.516 1.929 50.080 1.000 36.31 ATOM 1046 CD GLU A 147 8.591 1.048 48.834 1.000 43.33 ATOM 1046 CD GLU A 147 9.589 1.535 47.809 1.000 42.03 ATOM 1047 OEI GLU A 147 9.517 2.715 47.414 1.000 36.27 ATOM 1048 OEZ GLU A 147 10.460 0.748 47.383 1.000 38.67 ATOM 1049 C GLU A 147 6.842 2.895 52.266 1.000 36.30 ATOM 1051 N LYS A 148 8.228 1.770 53.651 1.000 55.57 ATOM 1052 CA LYS A 148 7.803 2.440 54.874 1.000 50.57 ATOM 1053 CB LYS A 148 8.228 1.770 53.651 1.000 55.57 ATOM 1053 CB LYS A 148 8.242 3.904 54.859 1.000 55.76 ATOM 1055 CD LYS A 148 9.487 4.175 55.693 1.000 55.76 ATOM 1056 CE LYS A 148 9.487 4.175 55.693 1.000 61.51 ATOM 1057 NZ LYS A 148 9.736 5.666 55.836 1.000 61.51 ATOM 1058 C LYS A 148 11.217 5.994 55.917 1.000 64.59 ATOM 1058 C LYS A 148 6.291 2.327 55.066 1.000 43.00 ATOM 1058 C LYS A 148 6.291 2.327 55.066 1.000 43.70 ATOM 1058 C LYS A 148 6.291 2.327 55.066 1.000 40.70 ATOM 1060 N GLY A 149 4.396 0.812 55.408 1.000 55.76 ATOM 1060 N GLY A 149 4.396 0.812 55.408 1.000 40.70 ATOM 1061 CA GLY A 149 4.396 0.812 55.408 1.000 40.70 ATOM 1062 C C ARG A 150 3.889 1.707 53.188 1.000 40.70 ATOM 1066 CB ARG A 150 3.889 1.707 53.188 1.000 44.38 ATOM 1067 CC ARG A 150 3.889 1.707 53.188 1.000 44.38 ATOM 1068 C C ARG A 150 3.889 1.707 53.188 1.000 45.94 ATOM 1069 NE ARG A 150 3.889 1.707 53.188 1.000 45.94 ATOM 1061 CA GRY A 149 2.303 0.555 54.255 1.000 42.71 ATOM 1061 CA GRY A 149 3.365 1.021 55.408 1.000 31.76 ATOM 1066 CB ARG A 150 3.199 3.305 55.161 1.000 32.69 ATOM 1067 CC ARG A 150 3.199 3.305 55.402.55 1.000 42.71 ATOM 1067 CC ARG A 150 3.199 3.305 55.402.55 1.000 42.73 ATOM 1067 CC ARG A 150 3.194 4.409 50.404 50.	ATOM	1040	С	VAL	Α	146	7.238	-1.119	51.101	1.000	24.56
ATOM 1042 N GLU A 147	ATOM	1041	0	VAL	Α	146	8.312	-1.600	51.466	1.000	30.54
ATOM 1043 CA GLU A 147 8.128 51.322 1.000 34.58 ATOM 1044 CB GLU A 147 8.516 1.929 50.080 1.000 34.58 ATOM 1045 CG GLU A 147 8.516 1.929 50.080 1.000 34.83 ATOM 1046 CD GLU A 147 9.589 1.535 47.809 1.000 42.03 ATOM 1047 OEI GLU A 147 9.589 1.535 47.809 1.000 42.03 ATOM 1048 OEZ GLU A 147 10.460 0.748 47.383 1.000 38.56 ATOM 1049 C GLU A 147 7.682 2.020 52.466 1.000 36.39 ATOM 1051 N LYS A 148 8.228 1.770 53.651 1.000 53.50 ATOM 1051 N LYS A 148 8.228 1.770 53.651 1.000 53.50 ATOM 1052 CA LYS A 148 7.803 2.440 54.874 1.000 50.57 ATOM 1053 CB LYS A 148 9.487 4.175 55.693 1.000 53.82 ATOM 1055 CD LYS A 148 9.487 4.175 55.693 1.000 53.82 ATOM 1056 CE LYS A 148 9.736 5.666 55.836 1.000 61.51 ATOM 1056 CE LYS A 148 11.582 7.165 55.066 1.000 64.59 ATOM 1059 O LYS A 148 11.582 7.165 55.066 1.000 64.59 ATOM 1059 O LYS A 148 6.291 2.327 55.066 1.000 64.59 ATOM 1050 O RIY A 149 4.396 0.812 55.408 1.000 38.69 ATOM 1060 N GLY A 149 3.455 1.021 55.408 1.000 31.76 ATOM 1060 CE GLYS A 149 3.455 1.022 55.408 1.000 40.70 ATOM 1060 CE A GLY A 149 3.455 1.022 55.408 1.000 40.70 ATOM 1060 CE A GLY A 149 3.455 1.022 55.408 1.000 31.76 ATOM 1060 CE A GLY A 149 3.455 1.022 55.408 1.000 31.76 ATOM 1060 CE A GLY A 149 3.455 1.021 55.408 1.000 31.76 ATOM 1060 CE A GLY A 149 3.455 1.021 55.408 1.000 31.76 ATOM 1060 CE A GLY A 149 3.455 1.021 55.408 1.000 31.76 ATOM 1061 CA GLY A 149 3.455 1.021 55.408 1.000 31.76 ATOM 1063 CB ARG A 150 2.967 1.932 52.076 1.000 37.05 ATOM 1066 CB ARG A 150 3.889 1.707 53.488 1.000 44.38 ATOM 1067 CG ARG A 150 3.889 1.707 53.488 1.000 44.38 ATOM 1067 CG ARG A 150 3.889 1.707 53.488 1.000 37.05 ATOM 1069 NE ARG A 150 3.889 1.707 53.488 1.000 37.05 ATOM 1069 NE ARG A 150 3.889 1.707 53.488 1.000 37.05 ATOM 1069 NE ARG A 150 3.889 1.707 53.488 1.000 37.05 ATOM 1069 NE ARG A 150 3.889 1.707 53.488 1.000 37.05 ATOM 1070 CZ ARG A 150 3.889 1.707 53.488 1.000 37.05 ATOM 1071 NH1 ARG A 150 3.894 4.400 51.440 51.000 37.75 ATOM 1078 CG VAL A 151 3.78 5.298 5.208 47.509 1.000 37.73 ATOM 1078 CG VAL A 151 3.78 5.298 4.								0.184	50.987	1.000	26.82
ATOM 1044 CB GLU A 147 8.516 1.929 50.080 1.000 36.381 ATOM 1045 CG GLU A 147 8.591 1.048 48.834 1.000 43.83 ATOM 1046 CD GLU A 147 9.589 1.535 47.809 1.000 42.03 ATOM 1047 OE1 GLU A 147 9.589 1.535 47.809 1.000 42.03 ATOM 1048 OE2 GLU A 147 10.460 0.748 47.383 1.000 36.27 ATOM 1049 C GLU A 147 7.682 2.020 52.466 1.000 43.00 ATOM 1050 O GLU A 147 7.682 2.020 52.466 1.000 43.00 ATOM 1051 N LYS A 148 8.228 1.770 53.651 1.000 53.50 ATOM 1052 CA LYS A 148 7.803 2.440 54.874 1.000 50.57 ATOM 1053 CB LYS A 148 8.242 3.904 54.874 1.000 50.57 ATOM 1054 CG LYS A 148 9.487 4.175 55.693 1.000 55.76 ATOM 1055 CD LYS A 148 9.487 4.175 55.693 1.000 55.76 ATOM 1056 CE LYS A 148 9.487 4.175 55.693 1.000 61.51 ATOM 1057 NZ LYS A 148 11.217 5.994 55.917 1.000 64.51 ATOM 1058 C LYS A 148 6.291 2.327 55.066 1.000 40.10 ATOM 1059 O LYS A 148 6.291 2.327 55.066 1.000 40.10 ATOM 1050 O GLY A 149 5.792 1.102 55.161 1.000 31.76 ATOM 1060 N GLY A 149 4.396 0.812 55.408 1.000 31.76 ATOM 1061 CA GLY A 149 4.396 0.812 55.408 1.000 31.76 ATOM 1062 C GLY A 149 3.455 1.021 55.408 1.000 31.76 ATOM 1065 CB ARG A 150 3.889 1.707 53.188 1.000 44.38 ATOM 1066 CB ARG A 150 2.273 4.410 51.971 1.000 64.59 ATOM 1067 CG ARG A 150 2.273 4.410 51.971 1.000 62.87 ATOM 1068 CD ARG A 150 2.273 4.410 51.971 1.000 62.87 ATOM 1068 CD ARG A 150 2.273 4.410 51.971 1.000 62.87 ATOM 1069 NE ARG A 150 2.273 4.410 51.971 1.000 62.87 ATOM 1069 NE ARG A 150 2.273 4.410 51.971 1.000 62.87 ATOM 1069 NE ARG A 150 2.273 4.410 51.971 1.000 62.71 ATOM 1070 CZ ARG A 150 3.179 3.306 51.450 1.000 37.05 ATOM 1069 NE ARG A 150 2.273 4.410 51.971 1.000 62.87 ATOM 1069 NE ARG A 150 2.273 4.410 51.971 1.000 62.87 ATOM 1070 CZ ARG A 150 3.372 ATOM 1071 NH1 ARG A 150 3.374 4.99660 1.000 37.05 ATOM 1072 NH2 ARG A 150 3.374 4.99660 1.000 37.05 ATOM 1073 C B VAL A 151 2.035 -0.861 49.673 1.000 27.32 ATOM 1070 CZ VAL A 151 2.035 -0.861 49.673 1.000 27.32 ATOM 1070 CZ VAL A 151 2.035 -0.861 49.673 1.000 27.32 ATOM 1070 CG VAL A 151 0.755 -2.776 48.637 1.000 33.79 ATOM 1080 C VAL A 151 1.0									51,322	1.000	34.58
ATOM 1045 CG GIU A 147 8.591 1.048 48.834 1.000 43.83 ATOM 1046 CD GUU A 147 9.589 1.335 47.809 1.000 42.03 ATOM 1047 OEI GUU A 147 9.589 1.335 47.809 1.000 42.03 ATOM 1049 C GUU A 147 10.460 0.748 47.383 1.000 36.27 ATOM 1049 C GUU A 147 7.682 2.020 52.466 1.000 43.05 ATOM 1050 O GUU A 147 6.842 2.985 52.262 1.000 36.39 ATOM 1051 N LYS A 148 8.228 1.770 53.651 1.000 53.50 ATOM 1052 CA LYS A 148 7.803 2.440 54.874 1.000 50.57 ATOM 1053 CB LYS A 148 8.242 3.904 54.874 1.000 50.57 ATOM 1054 CG LYS A 148 9.736 55.693 1.000 55.76 ATOM 1055 CD LYS A 148 9.736 55.693 1.000 55.76 ATOM 1056 CE LYS A 148 11.217 5.994 55.917 1.000 64.59 ATOM 1057 NZ LYS A 148 11.217 5.994 55.917 1.000 64.59 ATOM 1058 C LYS A 148 6.291 2.327 55.668 1.000 40.10 ATOM 1059 O LYS A 148 6.291 2.327 55.668 1.000 40.10 ATOM 1050 O GUY A 149 5.792 1.102 55.161 1.000 33.69 ATOM 1060 N GUY A 149 3.455 1.021 54.249 1.000 40.70 ATOM 1061 CA GUY A 149 3.455 1.021 54.249 1.000 44.38 ATOM 1062 C GLY A 149 3.455 1.021 54.249 1.000 44.38 ATOM 1060 N GUY A 149 3.455 1.021 54.249 1.000 45.94 ATOM 1060 N GUY A 149 3.455 1.021 54.249 1.000 45.94 ATOM 1060 N GUY A 149 2.303 0.575 54.255 1.000 47.04 ATOM 1063 C GLY A 149 3.455 1.021 54.249 1.000 45.94 ATOM 1064 N ARG A 150 3.889 1.707 53.188 1.000 47.04 ATOM 1065 CA ARG A 150 2.967 1.932 52.076 1.000 37.05 ATOM 1066 CB ARG A 150 2.967 1.932 52.076 1.000 37.05 ATOM 1067 CG ARG A 150 2.967 1.932 52.076 1.000 37.05 ATOM 1068 C D ARG A 150 2.967 1.932 52.076 1.000 37.05 ATOM 1069 N E ARG A 150 2.967 1.932 52.076 1.000 37.05 ATOM 1069 N E ARG A 150 2.967 1.932 52.076 1.000 37.05 ATOM 1069 N E ARG A 150 2.967 1.932 52.076 1.000 37.05 ATOM 1068 C D ARG A 150 2.967 1.932 52.076 1.000 37.05 ATOM 1069 N E ARG A 150 3.179 3.306 51.450 1.000 43.59 ATOM 1070 CZ ARG A 150 3.179 3.306 51.450 1.000 37.07 ATOM 1071 NH1 ARG A 151 2.035 -0.861 49.673 1.000 27.32 ATOM 1073 C ARG A 150 3.179 3.306 51.450 1.000 33.72 ATOM 1074 C ARG A 150 3.175 4.264 4.409 5.009 5.009 47.409 33.72 ATOM 1078 CG VAL A 151 2.298 -0.281 48.288 1.000 33.											
ATOM 1046 CD GLU A 147 9.589 1.535 47.809 1.000 42.03 ATOM 1047 OE1 GLU A 147 9.517 2.715 47.414 1.000 36.27 ATOM 1048 OE2 GLU A 147 10.460 0.748 47.383 1.000 38.56 ATOM 1049 C GLU A 147 7.682 2.020 52.466 1.000 43.00 ATOM 1050 O GLU A 147 6.842 2.895 52.262 1.000 36.39 ATOM 1051 N LYS A 148 8.228 1.770 53.651 1.000 53.50 ATOM 1052 CA LYS A 148 7.803 2.440 54.874 1.000 50.57 ATOM 1053 CB LYS A 148 8.242 3.904 54.859 1.000 55.57 ATOM 1054 CG LYS A 148 9.487 4.175 55.693 1.000 55.76 ATOM 1055 CD LYS A 148 9.736 5.666 55.836 1.000 61.51 ATOM 1056 CE LYS A 148 11.217 5.994 55.917 1.000 65.57 ATOM 1057 NZ LYS A 148 11.217 5.994 55.917 1.000 64.51 ATOM 1058 C LYS A 148 11.217 5.994 55.917 1.000 64.71 ATOM 1059 O LYS A 148 6.291 2.327 55.068 1.000 40.10 ATOM 1050 N GLY A 149 5.792 1.102 55.161 1.000 31.76 ATOM 1060 N GLY A 149 4.396 0.812 55.408 1.000 31.76 ATOM 1061 CA GLY A 149 4.396 0.812 55.408 1.000 31.76 ATOM 1062 C GLY A 149 3.455 1.021 54.249 1.000 44.38 ATOM 1063 O GLY A 149 4.396 0.812 55.408 1.000 42.79 ATOM 1064 N ARG A 150 3.889 1.707 53.188 1.000 42.79 ATOM 1066 CB ARG A 150 3.889 1.707 53.188 1.000 42.79 ATOM 1067 CG ARG A 150 3.889 1.707 53.188 1.000 42.79 ATOM 1068 CD ARG A 150 3.889 1.707 53.188 1.000 42.79 ATOM 1067 CG ARG A 150 3.889 1.707 53.188 1.000 42.79 ATOM 1067 CG ARG A 150 3.889 1.707 53.188 1.000 42.79 ATOM 1067 CG ARG A 150 3.179 3.306 51.450 1.000 37.05 ATOM 1067 CG ARG A 150 2.273 4.410 51.971 1.000 52.87 ATOM 1068 CD ARG A 150 3.179 3.306 51.450 1.000 37.05 ATOM 1067 CG ARG A 150 2.273 4.410 51.971 1.000 52.87 ATOM 1070 CZ ARG A 150 3.144 0.849 51.015 1.000 37.05 ATOM 1070 CZ ARG A 150 3.144 0.849 51.015 1.000 37.05 ATOM 1071 NH1 ARG A 150 3.889 1.707 53.188 1.000 42.79 ATOM 1070 CZ ARG A 150 3.144 0.849 51.015 1.000 37.05 ATOM 1071 NH2 ARG A 150 3.144 0.849 51.005 1.000 37.70 ATOM 1073 C ARG A 150 3.144 0.849 51.005 1.000 37.70 ATOM 1074 O ARG A 150 3.144 0.849 51.005 1.000 37.70 ATOM 1075 CG VAL A 151 0.755 -2.776 48.637 1.000 37.70 ATOM 1079 CG2 VAL A 151 0.755 -2.776 48.637 1.000 3											
ATOM 1047 OE1 GLU A 147 9.517 2.715 47.414 1.000 36.277 ATOM 1048 OE2 GLU A 147 10.460 0.748 47.383 1.000 38.56 ATOM 1049 C GLU A 147 7.682 2.020 52.466 1.000 43.00 ATOM 1050 O GLU A 147 6.842 2.895 52.262 1.000 36.39 ATOM 1051 N LYS A 148 8.228 1.770 53.651 1.000 55.57 ATOM 1052 CA LYS A 148 7.803 2.440 54.874 1.000 50.57 ATOM 1054 CG LYS A 148 9.487 4.175 55.693 1.000 55.76 ATOM 1055 CD LYS A 148 9.736 5.666 55.836 1.000 61.51 ATOM 1055 CD LYS A 148 11.217 5.994 55.917 1.000 64.59 ATOM 1056 CE LYS A 148 11.217 5.994 55.917 1.000 64.59 ATOM 1057 NZ LYS A 148 11.582 7.165 55.066 1.000 54.71 ATOM 1058 C LYS A 148 5.588 3.337 55.119 1.000 31.76 ATOM 1050 O LYS A 148 5.588 3.337 55.119 1.000 31.76 ATOM 1050 O LYS A 149 5.792 1.102 55.161 1.000 31.76 ATOM 1060 N GLY A 149 5.792 1.102 55.161 1.000 31.76 ATOM 1061 CA GLY A 149 3.455 1.021 54.249 1.000 42.79 ATOM 1064 N ARG A 150 3.889 1.707 53.188 1.000 44.38 ATOM 1065 CB ARG A 150 2.967 1.932 52.076 1.000 37.59 ATOM 1066 CB ARG A 150 2.967 1.932 52.076 1.000 37.59 ATOM 1067 CG ARG A 150 2.967 1.932 52.076 1.000 37.59 ATOM 1068 CB ARG A 150 2.967 1.932 52.076 1.000 37.59 ATOM 1068 CB ARG A 150 2.967 1.932 52.076 1.000 37.59 ATOM 1069 N GLY A 149 3.455 1.021 54.249 1.000 44.38 ATOM 1066 CB ARG A 150 2.967 1.932 52.076 1.000 37.59 ATOM 1066 CB ARG A 150 2.967 1.932 52.076 1.000 37.59 ATOM 1067 CG ARG A 150 2.967 1.932 52.076 1.000 37.59 ATOM 1068 CD ARG A 150 2.967 1.932 52.076 1.000 37.70 ATOM 1070 CZ ARG A 150 2.967 1.932 52.076 1.000 37.70 ATOM 1071 NH1 ARG A 150 2.967 1.932 52.076 1.000 37.70 ATOM 1070 CZ ARG A 150 3.144 0.849 51.051 1.000 62.68 ATOM 1070 CZ ARG A 150 3.144 0.849 51.051 1.000 31.26 ATOM 1071 NH1 ARG A 150 3.144 0.849 51.051 1.000 31.76 ATOM 1070 CB VAL A 151 0.755 -2.776 48.637 1.000 26.68 ATOM 1070 CB VAL A 151 0.755 -2.776 48.637 1.000 27.32 ATOM 1071 CB VAL A 151 0.755 -2.776 48.637 1.000 31.26 ATOM 1072 NYAL A 151 0.755 -2.776 48.637 1.000 38.64 ATOM 1078 CG VAL A 151 0.755 -2.776 48.637 1.000 38.64 ATOM 1080 C VAL A 151 0.755 -2.776 48.637 1.0											
ATOM 1048 CE2 GLU A 147											
ATOM 1049 C GLU A 147											
ATOM 1050	ATOM	1048	OE2								
ATOM 1051 N LYS A 148	ATOM	1049	С								
ATOM 1052 CA LYS A 148	MOTA	1050	0			147		2.895			
ATOM 1053 CB LYS A 148 8.242 3.904 54.859 1.000 53.82 ATOM 1054 CG LYS A 148 9.487 4.175 55.693 1.000 55.76 ATOM 1055 CD LYS A 148 9.487 4.175 55.693 1.000 65.76 ATOM 1055 CD LYS A 148 9.487 4.175 55.693 1.000 65.76 ATOM 1055 CD LYS A 148 11.217 5.994 55.917 1.000 64.59 ATOM 1057 NZ LYS A 148 11.217 5.994 55.917 1.000 64.59 ATOM 1058 C LYS A 148 11.582 7.165 55.066 1.000 54.71 ATOM 1059 O LYS A 148 6.291 2.327 55.066 1.000 70.70 ATOM 1060 N GLY A 149 5.588 3.337 55.119 1.000 40.70 ATOM 1060 N GLY A 149 5.592 1.102 55.161 1.000 31.76 ATOM 1061 CA GLY A 149 4.396 0.812 55.468 1.000 42.79 ATOM 1063 O GLY A 149 3.455 1.021 54.249 1.000 45.94 ATOM 1063 O GLY A 149 2.303 0.575 54.255 1.000 42.79 ATOM 1066 CB ARG A 150 3.889 1.707 53.188 1.000 44.38 ATOM 1065 CA ARG A 150 2.967 1.932 52.076 1.000 37.05 ATOM 1066 CB ARG A 150 3.179 3.306 51.450 1.000 43.59 ATOM 1066 CB ARG A 150 2.273 4.410 51.971 1.000 52.87 ATOM 1068 CD ARG A 150 2.273 4.410 51.971 1.000 52.87 ATOM 1069 NE ARG A 150 2.530 5.696 51.196 1.000 43.59 ATOM 1070 NE ARG A 150 2.530 5.696 51.196 1.000 67.51 ATOM 1070 NE ARG A 150 2.530 5.696 51.196 1.000 67.52 ATOM 1071 NH1 ARG A 150 2.530 5.696 51.450 1.000 99.14 ATOM 1071 NH1 ARG A 150 2.530 5.696 51.450 1.000 99.14 ATOM 1071 NH1 ARG A 150 2.708 8.322 50.46 1.000 99.14 ATOM 1072 NH2 ARG A 150 3.144 0.849 51.015 1.000 99.14 ATOM 1074 O ARG A 150 3.144 0.849 51.015 1.000 62.56 ATOM 1075 N VAL A 151 2.039 0.197 50.671 1.000 26.56 ATOM 1076 CA VAL A 151 2.039 0.197 50.671 1.000 26.56 ATOM 1076 CA VAL A 151 2.039 0.197 50.671 1.000 26.56 ATOM 1077 CB VAL A 151 2.039 0.197 50.671 1.000 27.32 ATOM 1080 C VAL A 151 0.755 -2.776 48.637 1.000 33.79 ATOM 1080 C VAL A 151 0.755 -2.776 48.637 1.000 33.79 ATOM 1080 C VAL A 151 0.755 -2.776 48.637 1.000 33.79 ATOM 1080 C VAL A 151 0.755 -2.776 48.637 1.000 33.79 ATOM 1080 C VAL A 151 0.755 -2.776 48.637 1.000 33.79 ATOM 1084 CB LYS A 152 3.788 -0.282 46.358 1.000 33.79 ATOM 1084 CB LYS A 152 3.788 -0.282 46.358 1.000 33.79 ATOM 1085 CG LYS A 152 3.788 -0.282 46.358 1.000	ATOM	1051	N	LYS	Α	148	8.228	1.770	53.651		
ATOM 1054 CG LYS A 148 9.487 4.175 55.693 1.000 55.76 ATOM 1055 CD LYS A 148 9.736 5.666 55.836 1.000 61.51 ATOM 1056 CE LYS A 148 11.217 5.994 55.917 1.000 64.59 ATOM 1057 NZ LYS A 148 11.217 5.994 55.917 1.000 64.59 ATOM 1058 C LYS A 148 11.582 7.165 55.066 1.000 54.71 ATOM 1058 C LYS A 148 6.291 2.327 55.068 1.000 40.70 ATOM 1059 O LYS A 148 5.588 3.337 55.119 1.000 40.70 ATOM 1060 N GLY A 149 5.792 1.102 55.161 1.000 31.76 ATOM 1061 CA GLY A 149 4.396 0.812 55.408 1.000 38.69 ATOM 1062 C GLY A 149 3.455 1.021 54.249 1.000 45.94 ATOM 1063 O GLY A 149 2.303 0.575 54.289 1.000 42.79 ATOM 1066 N ARG A 150 2.967 1.932 52.076 1.000 37.05 ATOM 1066 CB ARG A 150 2.967 1.932 52.076 1.000 37.05 ATOM 1066 CB ARG A 150 2.273 4.410 51.971 1.000 52.87 ATOM 1068 CD ARG A 150 2.273 4.410 51.971 1.000 52.87 ATOM 1069 NE ARG A 150 2.530 5.696 51.196 1.000 43.59 ATOM 1070 CZ ARG A 150 1.626 6.786 51.196 1.000 75.91 ATOM 1071 NH1 ARG A 150 3.144 0.849 51.087 1.000 82.71 ATOM 1073 C ARG A 150 3.144 0.849 51.087 1.000 82.71 ATOM 1073 C ARG A 150 3.144 0.849 51.015 1.000 31.26 ATOM 1074 O ARG A 150 3.144 0.849 51.015 1.000 31.26 ATOM 1075 N VAL A 151 2.039 0.197 50.671 1.000 27.32 ATOM 1070 CB VAL A 151 2.039 0.197 50.671 1.000 27.32 ATOM 1070 CB VAL A 151 0.713 -1.647 49.660 1.000 35.52 ATOM 1070 CB VAL A 151 0.755 -2.776 48.637 1.000 35.72 ATOM 1079 CG2 VAL A 151 0.441 -2.202 51.049 1.000 35.52 ATOM 1079 CG2 VAL A 151 0.441 -2.202 51.049 1.000 35.52 ATOM 1070 CB VAL A 151 0.755 -2.776 48.637 1.000 35.52 ATOM 1070 CB VAL A 151 0.755 -2.776 48.637 1.000 35.52 ATOM 1080 C VAL A 151 0.755 -2.776 48.637 1.000 33.77 ATOM 1080 C VAL A 151 0.755 -2.776 48.637 1.000 33.72 ATOM 1080 C VAL A 151 0.755 -2.776 48.637 1.000 33.73 ATOM 1080 C VAL A 151 0.441 -2.202 51.049 1.000 33.73 ATOM 1080 C VAL A 151 0.755 -2.776 48.637 1.000 33.73 ATOM 1080 C VAL A 151 0.755 -2.776 48.637 1.000 33.73 ATOM 1080 C VAL A 151 0.755 -2.776 48.637 1.000 33.73 ATOM 1080 C LYS A 152 3.834 4.403 46.910 1.000 43.28 ATOM 1080 C LYS A 152 3.834 4.403 46.910 1.000 7	MOTA	1052	CA	LYS	Α	148	7.803	2.440	54.874	1.000	50.57
ATOM 1054 CG LYS A 148 9.487 4.175 55.693 1.000 55.76 ATOM 1055 CD LYS A 148 9.736 5.666 55.336 1.000 61.51 ATOM 1056 CE LYS A 148 11.217 5.994 55.917 1.000 64.59 ATOM 1057 NZ LYS A 148 11.582 7.165 55.066 1.000 54.71 ATOM 1058 C LYS A 148 6.291 2.327 55.068 1.000 40.70 ATOM 1059 O LYS A 148 5.588 3.337 55.119 1.000 40.70 ATOM 1060 N GLY A 149 5.792 1.102 55.161 1.000 31.76 ATOM 1061 CA GLY A 149 4.396 0.812 55.408 1.000 45.94 ATOM 1062 C GLY A 149 3.455 1.021 54.249 1.000 45.94 ATOM 1063 O GLY A 149 3.455 1.021 54.249 1.000 45.94 ATOM 1066 N ARG A 150 3.889 1.707 53.188 1.000 44.38 ATOM 1066 CB ARG A 150 3.889 1.707 53.188 1.000 44.38 ATOM 1066 CB ARG A 150 3.179 3.306 51.450 1.000 37.05 ATOM 1067 CG ARG A 150 2.267 1.932 52.076 1.000 37.05 ATOM 1068 CD ARG A 150 2.530 5.696 51.196 1.000 43.59 ATOM 1069 NE ARG A 150 1.738 8.024 51.087 1.000 65.25 ATOM 1070 CZ ARG A 150 1.738 8.024 51.087 1.000 82.71 ATOM 1071 NH1 ARG A 150 2.708 8.322 50.240 1.000 99.14 ATOM 1073 C ARG A 150 3.144 0.849 51.057 1.000 82.71 ATOM 1074 O ARG A 150 3.144 0.849 51.057 1.000 31.26 ATOM 1075 N VAL A 151 2.039 0.197 50.671 1.000 27.32 ATOM 1076 CA VAL A 151 2.039 0.197 50.671 1.000 27.32 ATOM 1070 CB VAL A 151 0.713 -1.647 49.660 1.000 33.79 ATOM 1070 CB VAL A 151 0.755 -2.776 48.327 1.000 35.72 ATOM 1070 CB VAL A 151 0.755 -2.776 48.637 1.000 35.52 ATOM 1070 CB VAL A 151 0.755 -2.776 48.637 1.000 35.72 ATOM 1070 CB VAL A 151 0.755 -2.776 48.637 1.000 35.72 ATOM 1070 CB VAL A 151 0.755 -2.776 48.637 1.000 35.72 ATOM 1070 CB VAL A 151 0.755 -2.776 48.637 1.000 33.79 ATOM 1080 C VAL A 151 0.755 -2.776 48.637 1.000 33.79 ATOM 1081 C VAL A 151 0.755 -2.776 48.637 1.000 33.79 ATOM 1082 N LYS A 152 3.371 -0.759 47.674 1.000 33.79 ATOM 1083 CA LYS A 152 3.388 -0.282 46.358 1.000 32.44 ATOM 1084 CB LYS A 152 3.371 -0.759 47.674 1.000 33.79 ATOM 1086 CD LYS A 152 3.528 -1.344 45.998 1.000 30.77 ATOM 1088 NZ LYS A 152 3.528 -1.344 45.998 1.000 30.77 ATOM 1080 C LYS A 152 3.528 -1.344 45.998 1.000 30.77	ATOM	1053	СВ	LYS	Α	148	8.242	3.904	54.859	1.000	53.82
ATOM 1055 CD LYS A 148 9.736 5.666 55.836 1.000 61.51 ATOM 1056 CE LYS A 148 11.217 5.994 55.917 1.000 64.59 ATOM 1057 NZ LYS A 148 11.582 7.165 55.066 1.000 54.71 ATOM 1058 C LYS A 148 66.291 2.327 55.068 1.000 40.10 ATOM 1059 O LYS A 148 5.588 3.337 55.119 1.000 40.70 ATOM 1060 N GLY A 149 5.792 1.102 55.161 1.000 31.76 ATOM 1061 CA GLY A 149 4.396 0.812 55.408 1.000 40.70 ATOM 1062 C GLY A 149 3.455 1.021 54.249 1.000 45.94 ATOM 1063 O GLY A 149 2.303 0.575 54.255 1.000 42.79 ATOM 1066 CB ARG A 150 3.189 1.707 53.188 1.000 44.38 ATOM 1065 CA ARG A 150 3.179 3.306 51.450 1.000 34.59 ATOM 1066 CB ARG A 150 3.179 3.306 51.450 1.000 43.59 ATOM 1066 CB ARG A 150 2.967 1.932 52.076 1.000 43.59 ATOM 1068 CD ARG A 150 2.530 5.696 51.196 1.000 52.87 ATOM 1069 NE ARG A 150 2.530 5.696 51.196 1.000 65.25 ATOM 1070 CZ ARG A 150 1.626 6.786 51.599 1.000 75.91 ATOM 1071 NH1 ARG A 150 2.708 8.322 50.240 1.000 99.14 ATOM 1072 NH2 ARG A 150 3.144 0.849 51.015 1.000 99.14 ATOM 1073 C ARG A 150 3.144 0.849 51.015 1.000 99.14 ATOM 1073 C ARG A 150 3.144 0.849 51.015 1.000 26.56 ATOM 1075 N VAL A 151 2.039 0.197 50.671 1.000 27.32 ATOM 1076 CA VAL A 151 2.039 0.197 50.671 1.000 26.56 ATOM 1078 CGI VAL A 151 2.039 0.197 50.671 1.000 27.32 ATOM 1078 CGI VAL A 151 0.755 -2.776 48.637 1.000 33.74 ATOM 1079 CG2 VAL A 151 0.755 -2.776 48.637 1.000 33.72 ATOM 1080 C VAL A 151 0.755 -2.776 48.637 1.000 33.72 ATOM 1080 C VAL A 151 0.755 -2.776 48.637 1.000 33.73 ATOM 1081 O VAL A 151 0.755 -2.776 48.637 1.000 33.73 ATOM 1080 C VAL A 151 0.755 -2.776 48.637 1.000 33.74 ATOM 1080 C VAL A 151 0.755 -2.776 48.637 1.000 33.74 ATOM 1080 C VAL A 151 0.755 -2.776 48.637 1.000 33.74 ATOM 1080 C VAL A 151 0.755 -2.776 48.637 1.000 33.74 ATOM 1080 C VAL A 151 0.755 -2.776 48.637 1.000 33.74 ATOM 1080 C VAL A 151 0.755 -2.776 48.637 1.000 33.79 ATOM 1080 C VAL A 151 0.755 -2.776 48.637 1.000 33.79 ATOM 1080 C VAL A 151 0.755 -2.776 48.637 1.000 33.79 ATOM 1080 C VAL A 151 0.755 -2.776 48.637 1.000 33.79 ATOM 1080 C VAL A 151 0.755 -2.776 48.637 1.00				LYS	Α	148	9.487	4.175	55.693	1.000	55.76
ATOM 1056 CE LYS A 148 11.217 5.994 55.917 1.000 64.59 ATOM 1057 NZ LYS A 148 11.582 7.165 55.066 1.000 54.71 ATOM 1058 C LYS A 148 6.291 2.327 55.068 1.000 40.10 ATOM 1059 O LYS A 148 6.291 2.327 55.068 1.000 40.70 ATOM 1060 N GLY A 149 5.792 1.102 55.161 1.000 31.76 ATOM 1061 CA GLY A 149 4.396 0.812 55.408 1.000 38.69 ATOM 1062 C GLY A 149 3.455 1.021 54.249 1.000 42.79 ATOM 1063 O GLY A 149 2.303 0.575 54.255 1.000 42.79 ATOM 1064 N ARG A 150 3.889 1.707 53.188 1.000 44.38 ATOM 1065 CA ARG A 150 3.179 3.06 52.076 1.000 37.05 ATOM 1066 CB ARG A 150 2.967 1.932 52.076 1.000 37.05 ATOM 1066 CB ARG A 150 2.273 4.410 51.971 1.000 52.87 ATOM 1068 CD ARG A 150 2.530 5.696 51.196 1.000 65.25 ATOM 1070 CZ ARG A 150 2.530 5.696 51.196 1.000 65.25 ATOM 1071 NH1 ARG A 150 2.708 8.322 50.240 1.000 99.14 ATOM 1072 NH2 ARG A 150 2.708 8.322 50.240 1.000 99.14 ATOM 1072 NH2 ARG A 150 3.144 0.899 51.056 1.000 65.25 ATOM 1073 C ARG A 150 3.144 0.899 51.056 1.000 75.70 ATOM 1074 O ARG A 150 3.144 0.899 51.056 1.000 31.26 ATOM 1075 N VAL A 151 2.039 0.197 50.671 1.000 26.68 ATOM 1076 CA VAL A 151 2.039 0.197 50.671 1.000 27.32 ATOM 1077 CB VAL A 151 2.039 0.197 50.671 1.000 27.32 ATOM 1079 CG2 VAL A 151 0.715 -2.776 48.637 1.000 27.32 ATOM 1079 CG2 VAL A 151 0.715 -2.776 48.637 1.000 27.32 ATOM 1079 CG2 VAL A 151 0.715 -2.776 48.637 1.000 27.32 ATOM 1079 CG2 VAL A 151 0.715 -2.776 48.637 1.000 33.79 ATOM 1080 C VAL A 151 0.715 -2.776 48.637 1.000 33.79 ATOM 1080 C VAL A 151 0.715 -2.776 48.637 1.000 33.79 ATOM 1080 C VAL A 151 0.715 -2.776 48.637 1.000 33.79 ATOM 1080 C VAL A 151 0.715 -2.776 48.637 1.000 33.79 ATOM 1080 C VAL A 151 0.715 -2.776 48.637 1.000 33.79 ATOM 1080 C VAL A 151 0.715 -2.776 48.637 1.000 33.79 ATOM 1080 C VAL A 151 0.715 -2.776 48.637 1.000 33.79 ATOM 1080 C VAL A 151 0.715 -2.776 48.637 1.000 33.79 ATOM 1080 C VAL A 151 0.715 -2.776 48.637 1.000 33.79 ATOM 1080 C VAL A 151 0.715 -2.776 48.637 1.000 33.79 ATOM 1080 C VAL A 151 0.715 0.715 -2.776 48.637 1.000 33.79 ATOM 1080 C VAL A 151 0.715 0.715 0.719								5.666	55.836	1.000	61.51
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ATOM 1072 NH2 ARG A 150	ATOM	1070	CZ	ARG	Α	150	1.738	8.024	51.087	1.000	82.71
ATOM 1073 C ARG A 150 3.144 0.849 51.015 1.000 31.26 ATOM 1074 O ARG A 150 4.266 0.643 50.541 1.000 26.56 ATOM 1075 N VAL A 151 2.039 0.197 50.671 1.000 26.68 ATOM 1076 CA VAL A 151 2.035 -0.861 49.673 1.000 27.32 ATOM 1077 CB VAL A 151 0.713 -1.647 49.660 1.000 35.52 ATOM 1078 CG1 VAL A 151 0.755 -2.776 48.637 1.000 33.72 ATOM 1079 CG2 VAL A 151 0.441 -2.202 51.049 1.000 18.61 ATOM 1080 C VAL A 151 2.298 -0.281 48.288 1.000 28.80 ATOM 1081 O VAL A 151 1.563 0.579 47.806 1.000 38.64 ATOM 1082 N LYS A 152 3.371 -0.759 47.674 1.000 33.79 ATOM 1083 CA LYS A 152 3.788 -0.282 46.358 1.000 32.44 ATOM 1084 CB LYS A 152 5.272 0.088 46.373 1.000 29.41 ATOM 1085 CG LYS A 152 5.626 1.158 47.393 1.000 38.23 ATOM 1086 CD LYS A 152 4.469 2.111 47.631 1.000 43.28 ATOM 1087 CE LYS A 152 4.900 3.566 47.538 1.000 49.33 ATOM 1088 NZ LYS A 152 3.834 4.403 46.910 1.000 76.06 ATOM 1089 C LYS A 152 3.528 -1.344 45.298 1.000 30.77 ATOM 1089 C LYS A 152 3.227 -1.024 44.149 1.000 33.84	MOTA	1071	NH1	ARG	Α	150	2.708	8.322	50.240	1.000	99.14
ATOM 1073 C ARG A 150 3.144 0.849 51.015 1.000 31.26 ATOM 1074 O ARG A 150 4.266 0.643 50.541 1.000 26.56 ATOM 1075 N VAL A 151 2.039 0.197 50.671 1.000 26.68 ATOM 1076 CA VAL A 151 2.035 -0.861 49.673 1.000 27.32 ATOM 1077 CB VAL A 151 0.713 -1.647 49.660 1.000 35.52 ATOM 1078 CG1 VAL A 151 0.755 -2.776 48.637 1.000 33.72 ATOM 1079 CG2 VAL A 151 0.441 -2.202 51.049 1.000 18.61 ATOM 1080 C VAL A 151 2.298 -0.281 48.288 1.000 28.80 ATOM 1081 O VAL A 151 1.563 0.579 47.806 1.000 38.64 ATOM 1082 N LYS A 152 3.371 -0.759 47.674 1.000 33.79 ATOM 1083 CA LYS A 152 3.788 -0.282 46.358 1.000 32.44 ATOM 1084 CB LYS A 152 5.272 0.088 46.373 1.000 29.41 ATOM 1085 CG LYS A 152 5.626 1.158 47.393 1.000 38.23 ATOM 1086 CD LYS A 152 4.469 2.111 47.631 1.000 43.28 ATOM 1087 CE LYS A 152 4.900 3.566 47.538 1.000 49.33 ATOM 1088 NZ LYS A 152 3.834 4.403 46.910 1.000 76.06 ATOM 1089 C LYS A 152 3.528 -1.344 45.298 1.000 30.77 ATOM 1089 C LYS A 152 3.227 -1.024 44.149 1.000 33.84	MOTA	1072	NH2	ARG	Α	150	0.886	8.969	51.456	1.000	75.70
ATOM 1074 O ARG A 150		1073	С	ARG	Α	150	3.144	0.849	51.015	1.000	31.26
ATOM 1075 N VAL A 151 2.039 0.197 50.671 1.000 26.68 ATOM 1076 CA VAL A 151 2.035 -0.861 49.673 1.000 27.32 ATOM 1077 CB VAL A 151 0.713 -1.647 49.660 1.000 35.52 ATOM 1078 CG1 VAL A 151 0.755 -2.776 48.637 1.000 33.72 ATOM 1079 CG2 VAL A 151 0.441 -2.202 51.049 1.000 18.61 ATOM 1080 C VAL A 151 2.298 -0.281 48.288 1.000 28.80 ATOM 1081 O VAL A 151 1.563 0.579 47.806 1.000 38.64 ATOM 1082 N LYS A 152 3.371 -0.759 47.674 1.000 33.79 ATOM 1083 CA LYS A 152 3.788 -0.282 46.358 1.000 32.44 ATOM 1084 CB LYS A 152 3.788 -0.282 46.358 1.000 32.44 ATOM 1085 CG LYS A 152 5.272 0.088 46.373 1.000 29.41 ATOM 1086 CD LYS A 152 5.626 1.158 47.393 1.000 38.23 ATOM 1087 CE LYS A 152 4.469 2.111 47.631 1.000 43.28 ATOM 1088 NZ LYS A 152 4.469 2.111 47.631 1.000 49.33 ATOM 1089 C LYS A 152 3.834 4.403 46.910 1.000 76.06 ATOM 1089 C LYS A 152 3.528 -1.344 45.298 1.000 30.77 ATOM 1090 O LYS A 152 3.227 -1.024 44.149 1.000 33.84			0	ARG	Α	150	4.266	0.643	50.541	1.000	26.56
ATOM 1076 CA VAL A 151 2.035 -0.861 49.673 1.000 27.32 ATOM 1077 CB VAL A 151 0.713 -1.647 49.660 1.000 35.52 ATOM 1078 CG1 VAL A 151 0.755 -2.776 48.637 1.000 33.72 ATOM 1079 CG2 VAL A 151 0.441 -2.202 51.049 1.000 18.61 ATOM 1080 C VAL A 151 2.298 -0.281 48.288 1.000 28.80 ATOM 1081 O VAL A 151 1.563 0.579 47.806 1.000 38.64 ATOM 1082 N LYS A 152 3.371 -0.759 47.674 1.000 33.79 ATOM 1083 CA LYS A 152 3.788 -0.282 46.358 1.000 32.44 ATOM 1084 CB LYS A 152 3.788 -0.282 46.358 1.000 32.44 ATOM 1085 CG LYS A 152 5.272 0.088 46.373 1.000 29.41 ATOM 1086 CD LYS A 152 5.626 1.158 47.393 1.000 38.23 ATOM 1086 CD LYS A 152 4.469 2.111 47.631 1.000 43.28 ATOM 1087 CE LYS A 152 4.900 3.566 47.538 1.000 49.33 ATOM 1088 NZ LYS A 152 3.834 4.403 46.910 1.000 76.06 ATOM 1089 C LYS A 152 3.528 -1.344 45.298 1.000 30.77 ATOM 1090 O LYS A 152 3.227 -1.024 44.149 1.000 33.84			N					0.197	50.671	1.000	26.68
ATOM 1077 CB VAL A 151 0.713 -1.647 49.660 1.000 35.52 ATOM 1078 CG1 VAL A 151 0.755 -2.776 48.637 1.000 33.72 ATOM 1079 CG2 VAL A 151 0.441 -2.202 51.049 1.000 18.61 ATOM 1080 C VAL A 151 2.298 -0.281 48.288 1.000 28.80 ATOM 1081 O VAL A 151 1.563 0.579 47.806 1.000 38.64 ATOM 1082 N LYS A 152 3.371 -0.759 47.674 1.000 33.79 ATOM 1083 CA LYS A 152 3.788 -0.282 46.358 1.000 32.44 ATOM 1084 CB LYS A 152 3.788 -0.282 46.358 1.000 32.44 ATOM 1085 CG LYS A 152 5.272 0.088 46.373 1.000 29.41 ATOM 1086 CD LYS A 152 5.626 1.158 47.393 1.000 38.23 ATOM 1086 CD LYS A 152 4.469 2.111 47.631 1.000 43.28 ATOM 1087 CE LYS A 152 4.900 3.566 47.538 1.000 49.33 ATOM 1088 NZ LYS A 152 3.834 4.403 46.910 1.000 76.06 ATOM 1089 C LYS A 152 3.528 -1.344 45.298 1.000 30.77 ATOM 1090 O LYS A 152 3.227 -1.024 44.149 1.000 33.84									49.673	1.000	27.32
ATOM 1078 CG1 VAL A 151 0.755 -2.776 48.637 1.000 33.72 ATOM 1079 CG2 VAL A 151 0.441 -2.202 51.049 1.000 18.61 ATOM 1080 C VAL A 151 2.298 -0.281 48.288 1.000 28.80 ATOM 1081 O VAL A 151 1.563 0.579 47.806 1.000 38.64 ATOM 1082 N LYS A 152 3.371 -0.759 47.674 1.000 33.79 ATOM 1083 CA LYS A 152 3.788 -0.282 46.358 1.000 32.44 ATOM 1084 CB LYS A 152 5.272 0.088 46.373 1.000 29.41 ATOM 1085 CG LYS A 152 5.626 1.158 47.393 1.000 38.23 ATOM 1086 CD LYS A 152 4.469 2.111 47.631 1.000 43.28 ATOM 1087 CE LYS A 152 4.900 3.566 47.538 1.000 49.33 ATOM 1088 NZ LYS A 152 3.834 4.403 46.910 1.000 76.06 ATOM 1089 C LYS A 152 3.528 -1.344 45.298 1.000 30.77 ATOM 1090 O LYS A 152 3.227 -1.024 44.149 1.000 33.84											
ATOM 1079 CG2 VAL A 151											
ATOM 1080 C VAL A 151 2.298 -0.281 48.288 1.000 28.80 ATOM 1081 O VAL A 151 1.563 0.579 47.806 1.000 38.64 ATOM 1082 N LYS A 152 3.371 -0.759 47.674 1.000 33.79 ATOM 1083 CA LYS A 152 3.788 -0.282 46.358 1.000 32.44 ATOM 1084 CB LYS A 152 5.272 0.088 46.373 1.000 29.41 ATOM 1085 CG LYS A 152 5.626 1.158 47.393 1.000 38.23 ATOM 1086 CD LYS A 152 4.469 2.111 47.631 1.000 43.28 ATOM 1087 CE LYS A 152 4.900 3.566 47.538 1.000 49.33 ATOM 1088 NZ LYS A 152 3.834 4.403 46.910 1.000 76.06 ATOM 1089 C LYS A 152 3.528 -1.344 45.298 1.000 30.77 ATOM 1090 O LYS A 152 3.227 -1.024 44.149 1.000 33.84											
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5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	ATOM		С								
ATOM 1091 N CYS A 153 3.648 -2.611 45.697 1.000 27.03	ATOM	1090	0								
	ATOM	1091	N	CYS	A	153	3.648	-2.611	45.697	1.000	27.03

ATOM	1092	CA	CYS	Α	153		3.476	-3	.698	44.729	1.000	27.81
ATOM	1093	CB	CYS				4.776	-3	.878	43.946	1.000	27.07
ATOM	1094	SG	CYS				4.790	-5	.091	42.611	1.000	26.17
ATOM	1095	C	CYS				3.064		.986	45.420	1.000	
	1096	Ö	CYS				3.553		.324	46.490	1.000	
MOTA			ASP				2.155		.742	44.804	1.000	
ATOM	1097	N					1.828	_	.062	45.322	1.000	
MOTA	1098	CA	ASP							44.645	1.000	
ATOM	1099	CB	ASP				0.584		. 638		1.000	
MOTA	1100	CG	ASP				0.099		.911	45.316		
ATOM	1101	OD1	ASP				0.148		.919	44.627	1.000	
ATOM	1102		ASP			-	0.042		.917	46.557	1.000	
MOTA	1103	С	ASP				3.010		.017	45.130	1.000	
ATOM	1104	0	ASP				3.825		.877	44.216	1.000	
MOTA	1105	N	HIS				3.097	-8	.993	46.020	1.000	
ATOM	1106	CA	HIS	A	155		4.072	-10	.070	45.914	1.000	
ATOM	1107	CB	HIS	Α	155		4.312	-10	.721	47.282	1.000	
ATOM	1108	CG	HIS	A	155		5.365	-11	.788	47.244	1.000	30.06
ATOM	1109	ND1	HIS	Α	155		6.655	-11	.595	47.686	1.000	32.04
ATOM	1110	CE1	HIS	A	155		7.357	-12	.700	47.514	1.000	31.07
ATOM	1111	NE2	HIS	Α	155		6.557	-13	.606	46.980	1.000	35.21
ATOM	1112		HIS				5.311			46.793	1.000	27.75
ATOM	1113	C	HIS						.053	44.879	1.000	30.27
ATOM	1114	0	HIS				2.745		.922	45.253	1.000	
ATOM	1115	N	TYR				3.914		.897	43.613	1.000	
	1116	CA	TYR				3.234		.590	42.521	1.000	
ATOM	1117	CB	TYR				3.093			41.340	1.000	
MOTA		CG	TYR						.046	40.818	1.000	
ATOM	1118		TYR						.741	39.844	1.000	
ATOM	1119	CD1					6.286			39.348	1.000	
ATOM	1120	CE1	TYR							39.824	1.000	
ATOM	1121	CZ	TYR				6.755		.037		1.000	
ATOM	1122	OH	TYR				7.933		.545	39.322	1.000	
ATOM	1123	CE2	TYR				6.070		.320	40.786		
MOTA	1124	CD2	TYR				4.883		.836	41.274	1.000	
ATOM	1125	С	TYR				3.905		.870	42.063	1.000	
ATOM	1126	0	TYR				3.550			41.027		22.83
ATOM	1127	N	TRP						.356	42.825		33.11
ATOM	1128	CA	TRP	A	157		5.531			42.504	1.000	
MOTA	1129	CB	TRP	A	157		6.985		.383	42.092	1.000	
MOTA	1130	CG	TRP	A	157		7.827			43.197	1.000	
MOTA	1131	CD1	TRP	Α	157		8.582			44.110		
ATOM	1132	NE1	TRP	Α	157		9.208			44.960		
ATOM	1133	CE2	TRP	Α	157		8.866	-12	.330	44.607		
MOTA	1134	CD2	TRP	A	157		8.000	-12	.414	43.503		
ATOM	1135	CE3					7.500	-11	.231	42.944	1.000	23.89
ATOM	1136		TRP				7.880	-10	.030	43.502	1.000	22.95
ATOM	1137	CH2					8.743		.975	44.602	1.000	25.46
ATOM	1138	CZ2					9.251			45.172		
ATOM	1139	C	TRP				5.490			43.706		
ATOM	1140	0	TRP				5.361			44.828		
	1141	N	PRO				5.623			43.503		
ATOM	1141	CA	PRO				5.666			44.640		
ATOM			PRO				5.597			44.009		
MOTA	1143	CB	PKO	н	130		3.331	-19	. 1 / 0	44.003	1.000	₩ 3 · ± /

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ATOM	1144	CG	PRO				-18.987			
MOTA	1145	CD	PRO				-17.553	42.215	1.000	
ATOM	1146	С	PRO				-17.602	45.391	1.000	
MOTA	1147	0	PRO				-17.797	44.790	1.000	
ATOM	1148	N	ALA				-17.227	46.657	1.000	
MOTA	1149	CA	ALA				-16.897		1.000	
MOTA	1150	CB	ALA				-16.083	48.701		
MOTA	1151	С	ALA				-18.094		1.000	
MOTA	1152	0	ALA				-17.935		1.000	
MOTA	1153	N	ASP				-19.307	47.809	1.000	
ATOM	1154	CA	ASP	А	160		-20.487	48.190	1.000	
ATOM	1155	CB	ASP				-21.507	48.945	1.000	
ATOM	1156	CG	ASP	Α	160		-21.175	50.394	1.000	
MOTA	1157	OD1	ASP	А	160		-20.519		1.000	
ATOM	1158	OD2	ASP	Α	160	6.913	-21.574	50.891	1.000	76.88
ATOM	1159	С	ASP	A	160		-21.134	46.924	1.000	53.11
ATOM	1160	0	ASP	Α	160	9.452	-20.618	45.827	1.000	52.42
ATOM	1161	N	GLN	Α	161	10.327	-22.273	47.064	1.000	49.61
MOTA	1162	CA	GLN	Α	161	10.738	-23.062	45.911	1.000	54.59
ATOM	1163	СВ	GLN	Α	161	11.818	-24.073	46.306	1.000	56.30
MOTA	1164	CG	GLN	Α	161	13.239	-23.547	46.201	1.000	55.95
ATOM	1165	CD	GLN			13.450	-22.701	44.959	1.000	53.24
ATOM	1166		GLN			13.368	-23.208	43.842	1.000	49.06
ATOM	1167		GLN			13.724	-21.415	45.153	1.000	41.80
ATOM	1168	С	GLN				-23.794	45.301	1.000	51.44
ATOM	1169	0	GLN				-24.493	44.295	1.000	52.78
ATOM	1170	N	ASP				-23.641	45.922	1.000	45.89
ATOM	1171	CA	ASP			7.149	-24.258	45.482	1.000	51.10
ATOM	1172	СВ	ASP				-24.204	46.603	1.000	57.35
ATOM	1173	CG	ASP				-22.779		1.000	65.40
ATOM	1174		ASP				-21.916	46.685	1.000	69.28
ATOM	1175		ASP				-22.539	47.823		
ATOM	1176	C	ASP				-23.596	44.219		49.85
ATOM	1177	0	ASP				-22.878	43.496		53.02
ATOM	1178	N	SER				-23.884	43.972		41.47
ATOM	1179	CA	SER				-23.472		1.000	32.87
ATOM	1180	СВ	SER				-24.685	41.840		
ATOM	1181	OG	SER				-25.721	42.529		
ATOM	1182	C	SER				-22.894	43.072		
ATOM	1183	0			163		-23.132			
ATOM	1184	N	LEU				-22.138	42.115		
ATOM	1185	CA	LEU				-21.603	42.172		
ATOM	1186	CB	LEU				-20.222	42.813		
	1187	CG			164		-20.041	44.206		
ATOM	1188		LEU				-18.560	44.569		
ATOM	1189		LEU				-20.859	45.236		
ATOM			LEU				-21.459	40.757		
MOTA	1190	С					-21.439	39.816		
ATOM	1191	O N	LEU				-21.480	40.677		
ATOM	1192	N Cr			165		-21.480	39.432		
ATOM	1193	CA			165			39.432		
ATOM	1194	CB			165		-21.817	39.316		
MOTA	1195	CG	TYK	A	165	-2.482	-23.276	30.942	1.000	10.02

ATOM	1196	CD1	TYR A	165		-24.260	39.911		
ATOM	1197	CE1	TYR A	165		-25.603	39.581		
MOTA	1198	CZ	TYR A	165		-25.987	38.262		
ATOM	1199	OH	TYR A	165		-27.324	37.926		
ATOM	1200	CE2	TYR A	165		-25.035	37.287	1.000	
ATOM	1201	CD2	TYR A	165		-23.693	37.627	1.000	
ATOM	1202	С	TYR A	165	-1.349	- 19.620	39.364	1.000	30.51
ATOM	1203	0	TYR A	165	-1.633	-19.005		1.000	
ATOM	1204	N	TYR A	166	-1.205	-19.047		1.000	
MOTA	1205	CA	TYR A	166	-1.612	-17.675	37.914	1.000	
ATOM	1206	CB	TYR A	166		-16.731	37.786		
MOTA	1207	CG	TYR A	166		-16.584		1.000	
MOTA	1208	CD1	TYR A			-15.624		1.000	
MOTA	1209	CE1	TYR A			-15.483	41.177	1.000	
MOTA	1210	CZ	TYR A	166		-16.316	41.394	1.000	
MOTA	1211	OH	TYR A			-16.197	42.543		
MOTA	1212	CE2	TYR A	166		-17.280		1.000	
MOTA	1213	CD2	TYR A			-17.401		1.000	
MOTA	1214	С	TYR A			-17.749		1.000	
MOTA	1215	0	TYR A	166		-17.886		1.000	
MOTA	1216	N	GLY A			-17.705	36.793		
MOTA	1217	CA	GLY A			-17.861	35.583		
MOTA	1218	С	GLY A			-19.271		1.000	
MOTA	1219	0	GLY A			-20.213	35.826		
MOTA	1220	N	ASP A			-19.391	33.760		
MOTA	1221	CA	ASP A			-20.665	33.082		
MOTA	1222	CB	ASP A			-20.560	31.601		
MOTA	1223	CG	ASP A			-20.526	31.403		
MOTA	1224		ASP A			-20.536	32.432		
MOTA	1225		ASP A			-20.501	30.246		
MOTA	1226	C	ASP A			-21.110		1.000	
MOTA	1227	0	ASP A			-22.187		1.000	
ATOM	1228	N	LEU A			-20.229		1.000	
MOTA	1229	CA	LEU A			-20.558	33.927	1.000	
ATOM	1230	CB	LEU A			-19.326	33.571	1.000	
MOTA	1231	CG	LEU A			-18.558	32.353	1.000	
ATOM	1232	CD1				-17.088	32.434	1.000	
ATOM	1233	CD2	LEU A			-19.191	31.076	1.000	
ATOM	1234	C	LEU A			-21.063			
ATOM	1235	0	LEU A			-20.698	36.352		
ATOM	1236	N	ILE A			-21.938	35.253		
ATOM	1237	CA	ILE A			-22.432	36.482 36.556		
ATOM	1238	CB	ILE A			-23.965			
ATOM	1239	CG1	ILE A			-24.536		1.000	
ATOM	1240	CD1	ILE A			-24.474			
ATOM	1241	CG2	ILE A			-24.585	35.175	1.000	
ATOM	1242	С	ILE A			-21.924	36.541 35.579		
ATOM	1243	0	ILE A			-22.051	37.663		
ATOM	1244	N	LEU A			-21.324 -20.758	37.889		
ATOM	1245	CA	LEU A			-20.758 -19.251	37.869		
ATOM	1246	CB	LEU A			-19.231 -18.414	37.823		
ATOM	1247	CG	LEU A	Τ/Τ	3.331	10.414	31.023	1.000	13.00

ATOM	1248	CD1	LEU	Α	171	5.642	-17.121	37.111	1.000	63.91
ATOM	1249	CD2	LEU	Α	171	6.736	-18.133	39.121	1.000	45.12
MOTA	1250	С	LEU	Α	171	5.591	-21.435	39.061	1.000	27.57
ATOM	1251	0	LEU	Α	171	5.001	-21.717	40.109	1.000	26.54
MOTA	1252	N	GLN	Α	172	6.879	-21.712	38.886		33.32
MOTA	1253	CA			172		-22.398	39.914		32.37
ATOM	1254	СВ			172		-23.825	39.432		29.07
ATOM	1255	CG			172		-24.687	40.384		30.68
ATOM	1256	CD			172		-26.026	39.763		33.95
ATOM	1257	OE1					-26.176	38.543		
ATOM	1257		GLN				-27.007			
		C						40.589		
MOTA	1259				172		-21.663	40.192		
ATOM	1260	0			172		-21.353	39.268		27.43
ATOM	1261	N			173		-21.339	41.437		32.50
ATOM	1262	CA	MET				-20.678	41.595		30.97
ATOM	1263	СВ	MET				-19.860	42.883		29.94
ATOM	1264	CG			173		- 19.396	43.134		34.61
ATOM	1265	SD			173		-18.091	44.380	1.000	57.02
ATOM	1266	CE	MET	Α	173		-19.065	45.860		24.26
ATOM	1267	С	MET			11.719	-21.715	41.612	1.000	36.84
ATOM	1268	0	MET	Α	173	11.649	-22.640	42.427	1.000	50.73
MOTA	1269	N	LEU	Α	174	12.703	-21.541	40.741	1.000	29.04
ATOM	1270	CA	LEU	Α	174	13.805	-22.491	40.663	1.000	33.35
ATOM	1271	CB	LEU	Α	174	14.272	-22.638	39.215	1.000	28.88
ATOM	1272	CG	LEU	Α	174	13.322	-23.341	38.253	1.000	37.78
ATOM	1273	CD1	LEU	Α	174	13.953	-23.473	36.869		27.40
ATOM	1274	CD2	LEU	Α	174		-24.710	38.769		40.70
ATOM	1275	С	LEU				-22.089			40.05
ATOM	1276	0	LEU				-22.939		1.000	
ATOM	1277	N	SER				-20.812	41.884		
ATOM	1278	CA	SER				-20.331			36.37
ATOM	1279	СВ	SER				-20.496			41.94
ATOM	1280	OG	SER				-19.439	40.814		42.50
ATOM	1281	C	SER				-18.877	43.028		33.27
ATOM	1282	Ö	SER				-18.146	42.597		31.30
ATOM	1283	N	GLU				-18.426	43.908		21.04
ATOM	1284	CA	GLU				-17.086	44.444		28.91
ATOM	1285	CB	GLU				-17.000	45.373		31.33
ATOM	1286	CG	GLU				-15.684			
			GLU							33.37
ATOM	1287	CD					-15.568	47.187		
ATOM	1288		GLU				-15.906	48.350		
ATOM	1289		GLU				~15.121	46.900		
ATOM	1290	C	GLU				-16.657	45.225		
ATOM	1291	0	GLU				-17.212	46.288		
ATOM	1292	N	SER				-15.685	44.683		
ATOM	1293	CA	SER				-15.232	45.282		
ATOM	1294	CB	SER				-15.290	44.263		
ATOM	1295	OG	SER				-16.639	43.844		
MOTA	1296	С	SER				-13.811	45.804		
ATOM	1297	0	SER				-12.900	45.008	1.000	21.80
MOTA	1298	N	VAL .	A	178	20.078	-13.672	47.112	1.000	28.75
ATOM	1299	CA	VAL .	A	178	20.081	-12.360	47.739	1.000	33.94

ATOM	1300	CB	VAL	Α	178		-12.385	49.185		
ATOM	1301	CG1	VAL	Α	178		-10.966	49.740	1.000	
ATOM	1302	CG2	VAL	Α	178		-13.032	49.252		
MOTA	1303	С	VAL	Α	178	21.492	-11.768	47.753	1.000	
MOTA	1304	0	VAL	Α	178		-12.390	48.298	1.000	
ATOM	1305	N	LEU	Α	179	21.605	-10.603	47.149		36.54
MOTA	1306	CA	LEU	Α	179	22.772	-9.738	47.125		37.72
ATOM	1307	CB	LEU	Α	179	23.086	-9.250	45.709	1.000	40.59
ATOM	1308	CG	LEU	Α	179	23.817	-10.254	44.811	1.000	
ATOM	1309	CD1	LEU	Α	179	24.258	-11.454	45.634	1.000	49.20
ATOM	1310	CD2	LEU	Α	179	22.942	-10.672	43.638	1.000	
MOTA	1311	С	LEU	Α	179	22.522	-8.547	48.041	1.000	36.64
MOTA	1312	0	LEU	А	179	21.375	-8.338	48.461	1.000	39.97
MOTA	1313	N	PRO	Α	180	23.523	-7.750	48.377	1.000	35.66
ATOM	1314	CA	PRO	Α	180	23.219	-6.610	49.254	1.000	37.77
ATOM	1315	СВ	PRO	Α	180	24.584	-5.934	49.447	1.000	38.49
ATOM	1316	CG	PRO	Α	180	25.553	-7.049	49.201	1.000	37.57
ATOM	1317	CD	PRO	Α	180	24.950	-7.802	48.031	1.000	30.63
MOTA	1318	C	PRO			22.228	-5.644	48.617	1.000	33.86
ATOM	1319	0	PRO			21.382	-5.100	49.338	1.000	33.02
MOTA	1320	N	GLU			22.328	-5.430	47.303	1.000	29.48
ATOM	1321	CA	GLU	Α	181	21.557	-4.357	46.678	1.000	30.49
ATOM	1322	СВ	GLU	Α	181	22.501	-3.428	45.911	1.000	33.66
ATOM	1323	CG	GLU	Α	181	23.039	-2.275	46.752	1.000	42.87
ATOM	1324	CD	GLU			24.282	-1.678	46.120	1.000	51.54
ATOM	1325		GLU			25.233	-2.443	45.850	1.000	75.46
ATOM	1326		GLU			24.303	-0.455	45.890	1.000	75.08
ATOM	1327	C	GLU			20.471	-4.855	45.741	1.000	31.78
ATOM	1328	0	GLU			19.651	-4.082	45.245	1.000	30.15
ATOM	1329	N	TRP			20.469	-6.158	45.486	1.000	30.83
ATOM	1330	CA	TRP			19.412	-6.733	44.667	1.000	29.29
ATOM	1331	СВ	TRP			19.582	-6.376	43.197	1.000	28.58
ATOM	1332	CG	TRP			20.858	-6.827	42.567	1.000	33.11
ATOM	1333	CD1	TRP			21.167	-8.066	42.078	1.000	32.78
ATOM	1334	NE1	TRP			22.451	-8.067	41.577	1.000	29.50
ATOM	1335	CE2	TRP			22.991	-6.819	41.738	1.000	29.38
ATOM	1336	CD2	TRP			22.021	-6.010	42.354	1.000	28.84
ATOM	1337	CE3	TRP			22.313	-4.676	42.637	1.000	26.83
ATOM	1338	CZ3	TRP	Α	182	23.561	-4.198	42.293	1.000	27.97
MOTA	1339		TRP			24.508	-5.021	41.679	1.000	32.03
ATOM	1340		TRP			24.250	-6.333	41.391		
ATOM	1341	C	TRP			19.363	-8.248	44.842	1.000	29.75
ATOM	1342	0	TRP			20.270		45.409	1.000	29.69
ATOM	1343	N	THR			18.273	-8.804	44.338	1.000	23.29
ATOM	1344	CA	THR				-10.221	44.437		
ATOM	1345	СВ	THR				-10.506	45.397		
MOTA	1346	OG1					-10.024	46.694		
ATOM	1347		THR				-12.004	45.501		
ATOM	1348	C	THR				-10.771	43.063		
ATOM	1349	Õ	THR				-10.228	42.399		
ATOM	1350	N	ILE				-11.820	42.662		
MOTA	1351	CA	ILE				-12.437	41.360	1.000	23.94

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ATOM	1352	СВ	ILE				-12.675	40.592		
MOTA	1353	CG1	ILE	Α	184	20.199	-11.396	40.326		
MOTA	1354	CD1	ILE	Α	184	21.601	-11.696	39.831	1.000	22.92
ATOM	1355	CG2	ILE	Α	184	19.170	-13.392	39.270	1.000	24.72
ATOM	1356	C	ILE	А	184	17.317	-13.730	41.564	1.000	27.42
ATOM	1357	Ö	ILE				-14.657	42.235		
			ARG				-13.816	41.000		
MOTA	1358	N						41.120		
MOTA	1359	CA	ARG				-15.097			
MOTA	1360	CB	ARG				-14.943	41.706		
ATOM	1361	CG	ARG				-14.608	43.191		
MOTA	1362	CD	ARG	Α	185	12.698	-13.806	43.506		
ATOM	1363	NE	ARG	Α	185	12.608	-13.366	44.885	1.000	25.63
ATOM	1364	CZ	ARG	Α	185	12.669	-12.112	45.309	1.000	25.06
MOTA	1365	NH1	ARG	Α	185	12.832	-11.112	44.455	1.000	24.55
ATOM	1366		ARG				-11.850	46.607		
ATOM	1367	C	ARG				-15.729	39.740		
ATOM	1368	0	ARG				-15.034	38.737		27.89
	1369		GLU				- 17.033	39.702		
ATOM		N						38.433		
ATOM	1370	CA	GLU				-17.688			
MOTA	1371	СВ	GLU				-18.640	38.027		37.26
MOTA	1372	CG	GLU				-19.229	36.633		
ATOM	1373	CD	GLU				-19.785	36.063		
ATOM	1374	OE1					-20.303	34.930		
MOTA	1375	OE2	GLU	Α	186	18.035	-19.694	36.755		
ATOM	1376	С	GLU	Α	186	13.496	-18.471	38.501	1.000	35.05
MOTA	1377	0	GLU	Α	186	13.271	-19.227	39.448	1.000	27.73
MOTA	1378	N	PHE	Α	187	12.649	-18.294	37.488	1.000	21.89
MOTA	1379	CA	PHE	Α	187	11.434	-19.091	37.427	1.000	24.39
ATOM	1380	СВ	PHE			10.188	-18.203	37.533	1.000	26.13
ATOM	1381	CG	PHE	Α	187	10.245	-17.205	38.663	1.000	34.20
ATOM	1382	CD1					-15.907	38.444	1.000	31.66
ATOM	1383		PHE				-14.979	39.465		
ATOM	1384	CZ	PHE				-15.353	40.737		25.23
ATOM	1385	CE2					-16.645	40.980		
MOTA	1386	CD2	PHE				-17.565	39.952		
	1387	CDZ	PHE				-19.910	36.138		
ATOM	1388		PHE				-19.600	35.113		
ATOM		0						36.254		
ATOM	1389	N	LYS				-20.964	35.200		
ATOM	1390	CA	LYS				-21.834			
MOTA	1391	CB	LYS				-23.309			
ATOM	1392	CG	LYS				-24.234	34.340		
MOTA	1393	CD	LYS				-25.699	34.726		
ATOM	1394	CE	LYS	A	188		-26.229	35.244		
ATOM	1395	NZ	LYS	A	188	9.078	-27.265	36.298		
ATOM	1396	С	LYS	Α	188	8.602	-21.591	35.044	1.000	24.40
ATOM	1397	0	LYS	Α	188	7.885	-21.601	36.049	1.000	27.61
MOTA	1398	N	ILE			8.141	-21.364	33.822	1.000	23.95
ATOM	1399	CA	ILE				-21.109	33.659	1.000	28.81
ATOM	1400	СВ	ILE				-19.639	33.313		
ATOM	1401		ILE				-19.306	33.080		
ATOM	1402		ILE				-17.815	33.127		
ATOM	1403		ILE				-19.208	32.121		
ATON	1402	CGZ	TILL	П	109	1.250	17.200	J2.12I	1.000	

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ATOM	1404	С	ILE				-22.040	32.594 1.000 30.63
MOTA	1405	0	ILE				-22.278	31.600 1.000 34.60
ATOM	1406	N	CYS				-22.551	32.839 1.000 36.44
MOTA	1407	CA	CYS				-23.466	32.001 1.000 38.23
MOTA	1408	CB	CYS				-24.832	32.645 1.000 36.83
MOTA	1409	SG	CYS				-25.621	33.465 1.000 54.28
MOTA	1410	С	CYS				-22.854	31.647 1.000 40.07
ATOM	1411	0	CYS				-22.528	32.524 1.000 34.54
MOTA	1412	N	GLY				-22.714	30.348 1.000 38.67
MOTA	1413	CA	GLY				-22.192	29.891 1.000 47.19
MOTA	1414	С	GLY				-23.168	28.937 1.000 57.83
MOTA	1415	0	GLY				-24.313	28.810 1.000 57.59
MOTA	1416	N	GLU				-22.733	28.252 1.000 68.94
MOTA	1417	CA	GLU				-23.669	27.264 1.000 77.08
ATOM	1418	CB	GLU				-23.139	26.671 1.000 79.72
ATOM	1419	CG	GLU				-23.931	27.082 1.000 83.44
MOTA	1420	CD	GLU				-23.113	27.103 1.000 88.99
ATOM	1421		GLU				-21.996	27.669 1.000 97.81
MOTA	1422	OE2	GLU				-23.582	26.555 1.000 83.85
MOTA	1423	С	GLU				-23.932	26.222 1.000 79.08
MOTA	1424	0	GLU	Α	192		-23.046	25.419 1.000 84.98
ATOM	1425	N	GLU	Α	193		-25.136	26.276 1.000 80.23
MOTA	1426	CA	GLU				-25.537	25.407 1.000 88.15
MOTA	1427	CB	GLU				-27.061	25.268 1.000 82.57
MOTA	1428	CG	GLU				-27.559	24.373 1.000 74.69
MOTA	1429	CD	GLU	Α	193	4.340	-27.361	25.023 1.000 75.38
MOTA	1430	OE1	GLU	A	193		-27.990	26.075 1.000 64.29
ATOM	1431	OE2	GLU	Α	193	5.153	-26.581	24.488 1.000 79.60
MOTA	1432	С	GLU	А	193		-24.896	24.026 1.000100.09
MOTA	1433	0	GLU	Α	193		-25.403	23.166 1.000118.96
MOTA	1434	N	GLN	Α	194		-23.782	23.814 1.000102.10
ATOM	1435	CA	GLN				-23.101	22.520 1.000107.47
MOTA	1436	CB	GLN	Α	194		-21.819	22.686 1.000110.48
ATOM	1437	CG	GLN	Α	194	0.039	-22.092	23.245 1.000111.93
MOTA	1438	CD	GLN	Α	194		-20.989	22.858 1.000112.96
MOTA	1439	OE1	GLN	Α	194		-20.485	21.724 1.000119.77
ATOM	1440	NE2	GLN	Α	194		-20.629	23.805 1.000105.14
ATOM	1441	С	GLN				-22.834	21.928 1.000110.55
ATOM	1442	0	GLN				- 23.775	21.570 1.000118.12
MOTA	1443	N	LEU	Α	195		-21.573	
MOTA	1444	CA	LEU	Α	195		-21.363	21.238 1.000106.04
MOTA	1445	CB	LEU	Α	195	5.601	-19.930	20.752 1.000103.44
ATOM	1446	CG	LEU	A	195	6.025	-19.764	19.285 1.000101.76
ATOM	1447	CD1	LEU	A	195	6.636	-18.390	19.041 1.000 93.51
ATOM	1448	CD2	LEU	A	195		-20.865	18.871 1.000 83.67
ATOM	1449	С	LEU				-21.736	22.276 1.000109.72
MOTA	1450	0	LEU				-21.740	21.977 1.000128.83
ATOM	1451	N	ASP	Α	196		-22.054	23.495 1.000104.75
ATOM	1452	CA	ASP	Α	196	6.956	-22.505	24.521 1.000 97.46
ATOM	1453	CB	ASP	A	196		-21.463	25.616 1.000 94.37
MOTA	1454	CG	ASP			6.470	-20.133	25.358 1.000 89.89
MOTA	1455	OD1	ASP	A	196	5.236	-20.089	25.182 1.000 80.93

MOTA	1456	OD2	ASP	A	196		-19.119	25.348		
MOTA	1457	С	ASP	Α	196	6.498	-23.822	25.150		
ATOM	1458	0	ASP	Α	196	5.391	-24.300	24.896	1.0001	103.69
ATOM	1459	N	ALA	Α	197	7.366	-24.390	25.976	1.000	95.34
MOTA	1460	CA	ALA	Α	197	7.113	-25.628	26.703	1.000	92.76
ATOM	1461	СВ	ALA			7.661	-26.824	25.949	1.000	80.95
MOTA	1462	C	ALA				-25.535	28.106		
ATOM	1463	0	ALA				-25.567	29.100		
ATOM	1464	N	HIS				-25.410	28.190		
ATOM	1465	CA	HIS				-25.190	29.464		
		CB	HIS				-26.370	29.813		
ATOM	1466						-26.074	30.617		
ATOM	1467	CG	HIS				-25.834	31.968	1.000	
ATOM	1468		HIS						1.000	
MOTA	1469	CE1	HIS				-25.609	32.389		
MOTA	1470	NE2	HIS				-25.681	31.348		
ATOM	1471		HIS				-25.969	30.232		
MOTA	1472	С	HIS				-23.876	29.379		
MOTA	1473	0	HIS				-23.784	29.023		
MOTA	1474	N	ARG	A	199		-22.781	29.701		
MOTA	1475	CA	ARG	A	199		-21.480	29.568		
MOTA	1476	CB	ARG	Α	199	9.498	-20.464	28.903		
MOTA	1477	CG	ARG	Α	199	10.292	-19.446	28.092		
ATOM	1478	CD	ARG	Α	199	9.616	-18.087	28.108		
ATOM	1479	NE	ARG	Α	199	8.377	-18.120	27.322	1.000	42.37
ATOM	1480	CZ	ARG	Α	199	7.502	-17.120	27.427	1.000	43.29
MOTA	1481	NH1	ARG	A	199	7.751	-16.096	28.241	1.000	31.50
ATOM	1482	NH2	ARG	Α	199	6.398	-17.186	26.709	1.000	24.97
ATOM	1483	С	ARG			10.900	-20.944	30.918	1.000	37.10
ATOM	1484	0	ARG				-21.106	31.914	1.000	28.73
ATOM	1485	N	LEU				-20.336	30.889		
ATOM	1486	CA	LEU				-19.865	32.087		
ATOM	1487	CB	LEU				-20.394	32.149		
MOTA	1488	CG	LEU				-21.881	32.511		
ATOM	1489		LEU				-22.134	33.523		
ATOM	1490	CD2					-22.382	33.052		
ATOM	1491	C	LEU				-18.343	32.153		
ATOM	1491	0	LEU				-17.681	31.155		
		N	ILE				-17.820	33.333		
ATOM	1493 1494	CA	ILE				-16.376	33.510		
ATOM							-15.892			
MOTA	1495						-16.232	32.898		
ATOM	1496		ILE					31.459		
MOTA	1497		ILE				-16.192			
MOTA	1498	CG2					-14.395	34.171		
MOTA	1499	C	ILE				-15.933	34.604		
ATOM	1500	0	ILE				-16.507	35.688		
MOTA	1501	N	ARG				-14.886	34.299		
MOTA	1502	CA	ARG				-14.324	35.320		
MOTA	1503	CB	ARG				-14.091	34.768		
ATOM	1504	CG	ARG				-14.797	35.562		
ATOM	1505	CD	ARG	A	202		-15.183	34.654		
ATOM	1506	NE	ARG	А	202	19.385	-16.289	35.220		
MOTA	1507	CZ	ARG	A	202	19.961	-17.201	34.435	1.000	60.48

ATOM	1508	NIII 1	א ח מ	70	202	10 010	17 100	22 110	1 000	EO 20
			ARG				-17.100	33.119		
ATOM	1509		ARG				-18.191	34.965		
ATOM	1510	C	_		202		-13.023	35.826		
ATOM	1511	0			202		-12.219	35.007		
ATOM	1512	N			203		-12.858	37.136		18.38
ATOM	1513	CA			203		-11.690	37.815		
ATOM	1514	CB			203		-12.145	38.770		
ATOM	1515	CG			203		-11.117	39.389	1.000	
ATOM	1516	ND1			203		-10.463	40.554	1.000	20.07
ATOM	1517	CE1				11.186	-9.616	40.875	1.000	23.08
MOTA	1518	NE2	HIS	Α	203	10.240	-9.697	39.959	1.000	27.63
ATOM	1519	CD2	HIS	Α	203	10.611	-10.629	39.022	1.000	25.25
MOTA	1520	С	HIS	Α	203	14.894	-10.952	38.579	1.000	27.02
MOTA	1521	0	HIS	Α	203	15.541	-11.548	39.447	1.000	18.53
MOTA	1522	N	PHE	Α	204	15.086	-9.691	38.246	1.000	21.78
MOTA	1523	CA	PHE	Α	204	16.068	-8.796	38.840	1.000	16.28
MOTA	1524	CB	PHE	Α	204	16.891	-8.101	37.742	1.000	16.39
ATOM	1525	CG	PHE	Α	204	17.526	-9.112	36.813	1.000	27.16
ATOM	1526	CD1	PHE	Α	204	16.899	-9.466	35.632		16.95
ATOM	1527	CE1			204		-10.397	34.790		26.09
ATOM	1528	CZ		Α	204		-10.979	35.123		31.27
ATOM	1529	CE2			204		-10.639	36.303		26.75
ATOM	1530	CD2			204	18.744	-9.699	37.136		28.81
ATOM	1531	С			204	15.378	-7.752	39.707	1.000	16.41
ATOM	1532	0			204	14.748	-6.809	39.223	1.000	
ATOM	1533	N			205	15.514	-7.930	41.006		16.66
ATOM	1534	CA			205	14.879	-7.081		1.000	14.51
ATOM	1535	СВ			205	14.118	-7.987		1.000	14.31
ATOM	1536	CG			205	13.201	-7.221	43.887		25.21
ATOM	1537		HIS			12.631	-7.784	45.009	1.000	
ATOM	1538		HIS			11.882	-6.885	45.611	1.000	
ATOM	1539		HIS			11.939	-5.756	44.927	1.000	
ATOM	1540		HIS			12.761	-5.949	43.845	1.000	
MOTA	1541	С	HIS			15.867	-6.211	42.764	1.000	26.42
ATOM	1542	0	HIS			16.535	-6.668	43.697		21.37
ATOM	1543	N	TYR			15.950	-4.954		1.000	
MOTA	1544	CA	TYR			16.705	-3.918		1.000	26.77
ATOM	1545	СВ	TYR			16.849	-2.707		1.000	30.54
MOTA	1546	CG	TYR			17.810	-1.643			30.50
ATOM	1547	CD1	TYR			19.177	-1.758	42.349		
ATOM	1548		TYR			20.048	-0.774	42.779		
ATOM	1549	CZ	TYR			19.551	0.320	43.457		
ATOM	1550	ОН	TYR			20.406	1.309	43.883		
ATOM	1551		TYR			18.201	0.452	43.715		
ATOM	1552		TYR			17.330	-0.534	43.289		
ATOM	1553	C	TYR			15.978	-3.521	44.324		
ATOM	1554	Ō	TYR			14.893	-2.942	44.266		
ATOM	1555	N	THR			16.574	-3.858	45.460		
ATOM	1556	CA	THR			15.870	-3.793	46.729		
ATOM	1557	CB	THR			16.205	-5.071	47.535		
ATOM	1558		THR			17.627	-5.263	47.486		
ATOM	1559		THR			15.545	-6.290	46.917		
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ATOM	1560	С	THR .			16.214	-2.599	47.604		
MOTA	1561	0	THR	Α	207	15.790	-2.560	48.768		
MOTA	1562	N	VAL .	Α	208	16.982	-1.633	47.105	1.000	38.87
MOTA	1563	CA	VAL .	Α	208	17.495	-0.587	47.986	1.000	42.20
ATOM	1564	СВ	VAL .			19.001	-0.829	48.254	1.000	38.89
ATOM	1565	CG1	VAL			19.208	-2.188	48.913	1.000	29.05
MOTA	1566	CG2	VAL			19.810	-0.734		1.000	
ATOM	1567	C	VAL			17.304	0.826		1.000	
ATOM	1568	Ö	VAL			18.055	1.725	47.850		
ATOM	1569	N	TRP			16.329	1.095	46.602		
ATOM	1570	CA	TRP			16.039	2.473	46.199		
	1571	CB	TRP .			15.037	2.480		1.000	
ATOM		CG	TRP			15.042	3.683		1.000	
ATOM	1572					14.710	4.963	44.509		
MOTA	1573	CD1	TRP.				5.788	43.417	1.000	
ATOM	1574	NE1	TRP .			14.840			1.000	
ATOM	1575	CE2	TRP.			15.261	5.047	42.342		
ATOM	1576	CD2	TRP.			15.399	3.717			
ATOM	1577	CE3	TRP			15.821	2.749		1.000	
MOTA	1578	CZ3	TRP .			16.086	3.142	40.564	1.000	
ATOM	1579	CH2	TRP .			15.939	4.478	40.159		
MOTA	1580	CZ2	TRP			15.527	5.448	41.033		
ATOM	1581	С	TRP			15.490	3.239		1.000	
ATOM	1582	0	TRP			14.515	2.795	48.008	1.000	
MOTA	1583	N	PRO .			16.069	4.369		1.000	
ATOM	1584	CA	PRO .			15.624	5.061	48.987		
MOTA	1585	CB	PRO .	A	210	16.456	6.345	48.988	1.000	
ATOM	1586	CG	PRO .	A	210	17.633	6.063	48.123	1.000	34.50
MOTA	1587	CD	PRO .	A	210	17.160	5.078	47.088	1.000	36.07
ATOM	1588	С	PRO .	Α	210	14.140	5.412	48.940	1.000	41.55
ATOM	1589	0	PRO .	Α	210	13.515	5.321	47.882	1.000	42.95
ATOM	1590	N	ASP .	Α	211	13.590	5.820	50.081	1.000	49.64
ATOM	1591	CA	ASP .	Α	211	12.183	6.214	50.158	1.000	54.78
MOTA	1592	CB	ASP .	Α	211	11.720	6.296	51.612	1.000	55.95
ATOM	1593	CG	ASP .	Α	211	11.048	5.030	52.100	1.000	56.96
MOTA	1594	OD1	ASP .	Α	211	10.660	4.976	53.286	1.000	50.78
ATOM	1595	OD2	ASP .	Α	211	10.905	4.079	51.306	1.000	63.04
ATOM	1596	С	ASP .	Α	211	11.959	7.551	49.457	1.000	52.82
ATOM	1597	0	ASP .	Α	211	10.896	7.882	48.937	1.000	45.02
ATOM	1598	N	HIS .			13.020	8.351	49.446	1.000	48.03
MOTA	1599	CA	HIS .			12.961	9.675	48.845	1.000	53.87
ATOM	1600	СВ	HIS			12.846	10.746	49.934		
ATOM	1601	CG	HIS .			12.681	10.177	51.311	1.000	76.92
ATOM	1602		HIS			11.458	10.093	51.935		
ATOM	1603		HIS			11.610	9.555	53.133		
ATOM	1604		HIS .			12.890	9.277	53.307		
ATOM	1605		HIS .			13.578	9.660	52.180		
ATOM	1606	C	HIS .			14.197	9.908	47.986		
ATOM	1607	0	HIS .			15.310	9.572	48.392		
	1607	N	GLY .			13.992	10.472	46.799		
ATOM	1609	CA	GLY .			15.091	10.704	45.885		
ATOM		CA	GLY .			15.654	9.421	45.299		
ATOM	1610		GLY .			15.050	8.357	45.431		
ATOM	1611	0	GLI.	M	213	10.000	0.337	40.40I	1.000	J J.

ATOM	1612	N	VAL			16.804	9.569	44.663		
MOTA	1613	ÇA	VAL			17.476	8.540	43.881		
MOTA	1614	CB	VAL			18.098	9.200	42.644	1.000	
MOTA	1615		VAL			17.047	10.031	41.917		31.20
MOTA	1616	CG2	VAL			19.284	10.056	43.059		42.36
MOTA	1617	С	VAL	A	214	18.526	7.827	44.715		45.89
MOTA	1618	0	VAL	Α	214	18.953	8.384	45.729		57.46
ATOM	1619	N	PRO			18.933	6.624	44.333		40.93
ATOM	1620	CA	PRO	A	215	19.764	5.782			34.00
ATOM	1621	СВ	PRO	А	215	20.251	4.672	44.247		42.73
MOTA	1622	CG	PRO	Α	215	19.225	4.606		1.000	
ATOM	1623	CD	PRO	Α	215	18.636	5.975	43.041		
ATOM	1624	С	PRO	Α	215	21.003	6.478	45.755	1.000	38.07
ATOM	1625	0	PRO	A	215	21.508	7.427	45.159	1.000	36.58
ATOM	1626	N	GLU	Α	216	21.427	5.942	46.886	1.000	51.41
ATOM	1627	CA	GLU	Α	216	22.569	6.331	47.688	1.000	59.42
ATOM	1628	CB	GLU	Α	216	23.016	5.168	48.587	1.000	62.22
ATOM	1629	CG	GLU	Α	216	24.008	5.566	49.666	1.000	66.95
MOTA	1630	CD	GLU	Α	216	25.143	4.586	49.863	1.000	69.08
ATOM	1631	OE1	GLU	Α	216	24.891	3.377	50.036	1.000	49.54
ATOM	1632	OE2	GLU	Α	216	26.314	5.036	49.867	1.000	70.82
MOTA	1633	С	GLU			23.739	6.782	46.818	1.000	54.66
ATOM	1634	0	GLU			24.238	7.895	46.980	1.000	48.01
ATOM	1635	N	THR			24.155	5.905	45.908	1.000	43.30
ATOM	1636	CA	THR	A	217	25.239	6.207	44.989	1.000	40.68
ATOM	1637	СВ	THR			26.492	5.353		1.000	
ATOM	1638	OG1	THR			26.180	3.960		1.000	
ATOM	1639		THR			26.966	5.527		1.000	
ATOM	1640	С	THR			24.823	5.970	43.535	1.000	
ATOM	1641	0	THR			23.831	5.299	43.269	1.000	55.29
ATOM	1642	N	THR			25.612	6.524		1.000	
ATOM	1643	CA	THR			25.506	6.280		1.000	
ATOM	1644	СВ	THR			26.407	7.242	40.399		
ATOM	1645	OG1	THR			27.771	7.133			31.20
ATOM	1646		THR			26.004	8.690			44.45
ATOM	1647	C	THR			25.887	4.831		1.000	40.27
ATOM	1648	Ō	THR			25.248	4.124	40.099		43.37
ATOM	1649	N	GLN			26.962	4.401	41.524		36.77
ATOM	1650	CA	GLN			27.592	3.095		1.000	40.35
ATOM	1651	CB	GLN			28.841	3.052	42.215		
ATOM	1652	CG	GLN			29.392	1.680	42.538		
ATOM	1653	CD	GLN			30.902	1.629	42.393		
ATOM	1654		GLN			31.414	1.573	41.274		
ATOM	1655		GLN			31.593	1.640	43.527		
ATOM	1656	C	GLN			26.621	1.959	41.619		
ATOM	1657	0	GLN			26.618	0.907	40.977		
ATOM	1658	N	SER			25.739	2.146	42.596		
	1659	CA	SER			24.720	1.164	42.929		
MOTA	1660	CB	SER			23.845	1.739	44.049		
ATOM			SER			22.837	0.814	44.413		
MOTA	1661	OG C	SER					41.727		
MOTA	1662	C				23.860	0.792	41.727		
ATOM	1663	0	SER	А	220	23.745	-0.378	41.334	1.000	21.20

ATOM	1664	N	LEU	Α	221	23.247	1.800	41.104		
ATOM	1665	CA	LEU	Α	221	22.404	1.571	39.940		
ATOM	1666	CB	LEU	Α	221	21.483	2.764	39.648	1.000	25.67
MOTA	1667	CG	LEU	Α	221	20.313	2.430	38.705	1.000	23.74
ATOM	1668	CD1	LEU	Α	221	19.468	1.312	39.303	1.000	18.81
ATOM	1669	CD2	LEU			19.490	3.672	38.420	1.000	28.95
ATOM	1670	С	LEU			23.238	1.270	38.700	1.000	36.04
ATOM	1671	0	LEU			22.797	0.534	37.806		29.22
ATOM	1672	N	ILE			24.446	1.845	38.637		
ATOM	1673	CA	ILE			25.231	1.532	37.445		
ATOM	1674	CB	ILE			26.562	2.282	37.364		
ATOM	1675	CG1	ILE			26.426	3.748	36.963		
	1676	CD1	ILE			27.516	4.638	37.512		
ATOM		CG2	ILE			27.310	1.556	36.405		
ATOM	1677					25.511	0.027	37.382		
ATOM	1678	C	ILE							
ATOM	1679	0	ILE			25.444	-0.541	36.293		
ATOM	1680	N	GLN			25.789	-0.572	38.525		
MOTA	1681	CA	GLN			26.120	-1.982	38.660		
MOTA	1682	СВ	GLN			26.628	-2.245	40.091		
MOTA	1683	CG	GLN			28.119	-1.965	40.240		
MOTA	1684	CD	GLN			28.804	-1.836	38.896		
MOTA	1685	OE1				28.765	-2.759	38.076		
ATOM	1686	NE2				29.430	-0.693	38.657		
MOTA	1687	С	GLN			24.952	-2.916	38.387		
ATOM	1688	0	GLN	Α	223	25.071	-3.940	37.712		
MOTA	1689	N	PHE			23.794	-2.560	38.945		
MOTA	1690	CA	PHE			22.586	-3.328	38.637		
MOTA	1691	CB	PHE	Α	224	21.408	-2.714	39.374		
MOTA	1692	CG	PHE	Α	224	20.093	-3.429	39.226	1.000	23.65
MOTA	1693	CD1	PHE	Α	224	19.892	-4.676	39.789	1.000	26.30
ATOM	1694	CE1	PHE	Α	224	18.688	-5.341	39.670		
MOTA	1695	CZ	PHE	Α	224	17.660	-4.747	38.963	1.000	22.78
ATOM	1696	CE2	PHE	Α	224	17.843	-3.504	38.397	1.000	21.02
ATOM	1697	CD2	PHE	Α	224	19.050	-2.842	38.529	1.000	17.14
ATOM	1698	С	PHE	А	224	22.335	-3.340	37.135	1.000	29.21
MOTA	1699	0	PHE	Α	224	22.212	-4.385	36.497	1.000	23.28
ATOM	1700	N	VAL	А	225	22.272	-2.147	36.539	1.000	29.45
ATOM	1701	CA	VAL			22.003	-2.057	35.103	1.000	23.17
ATOM	1702	СВ	VAL			22.017	-0.597	34.616	1.000	27.27
ATOM	1703		VAL			22.186	-0.539	33.112	1.000	19.10
ATOM	1704		VAL			20.732	0.108	35.045		
ATOM	1705	C	VAL			22.985	-2.871	34.273		
ATOM	1706	Ö	VAL			22.554	-3.638	33.400		
ATOM	1707	N	ARG			24.285	-2.724	34.517		
ATOM	1708	CA	ARG			25.276	-3.513	33.780		
ATOM	1709	CB	ARG			26.705	-3.147	34.173		
ATOM	1710	CG	ARG			27.183	-1.771	33.762		
	1711	CD	ARG			28.697	-1.716	33.673		
ATOM		NE	ARG			29.241	-0.365	33.600		
ATOM	1712		ARG			29.241	0.232	34.542		
ATOM	1713	CZ	ARG			30.261	-0.370	35.686		
MOTA	1714							34.354		
ATOM	1715	NH2	ARG	Α	226	30.401	1.471	34.334	1.000	14.00

ATOM	1716	С	ARG A	226	25.054	-5.011	34.010	1.000	23.44
MOTA	1717	0	ARG A	226	25.301	-5.826	33.118	1.000	30.89
ATOM	1718	N	THR A		24.582	-5.377	35.195		21.86
						-6.761	35.521		
ATOM	1719	CA	THR A		24.250				
ATOM	1720	CB	THR A		23.825	-6.921	36.994	1.000	
ATOM	1721	OG1	THR A	227	24.903	-6.608	37.874		
MOTA	1722	CG2	THR A	227	23.457	-8.365	37.306	1.000	22.45
MOTA	1723	С	THR A	227	23.108	-7.250	34.627	1.000	32.76
ATOM	1724	0	THR A		23.237	-8.240	33.912	1.000	27.21
ATOM	1725	N	VAL A		21.985	-6.526	34.679		
	1726	CA	VAL A		20.814	-6.869	33.886		
ATOM						-5.922	34.162		
ATOM	1727	CB	VAL A		19.627				
ATOM	1728	CG1			18.466	-6.213	33.221		
MOTA	1729	CG2	VAL A		19.192	-6.066	35.605		
ATOM	1730	С	VAL A	228	21.140	-6.859	32.397		
ATOM	1731	0	VAL A	228	20.766	-7.790	31.686	1.000	22.44
ATOM	1732	N	ARG A	229	21.821	-5.824	31.914	1.000	19.91
ATOM	1733	CA	ARG A		22.183	-5.792	30.489	1.000	30.48
ATOM	1734	СВ	ARG A		22.877	-4.480	30.149	1.000	30.12
ATOM	1735	CG	ARG A		23.502	-4.301	28.786		
			ARG A		22.590	-4.596	27.614		
ATOM	1736	CD					27.719		
ATOM	1737	NE	ARG A		21.290	-3.951			
MOTA	1738	CZ	ARG A		20.267	-4.199	26.913		
MOTA	1739	NH1	ARG A	229	20.394	-5.079	25.930		
ATOM	1740	NH2	ARG A	229	19.110	-3.573	27.076		
ATOM	1741	С	ARG A	229	23.041	-7.010	30.156	1.000	42.31
ATOM	1742	0	ARG A	229	22.988	-7.552	29.053	1.000	34.86
MOTA	1743	N	ASP A		23.842	-7.483	31.114	1.000	40.71
ATOM	1744	CA	ASP A		24.637	-8.682	30.882		32.09
ATOM	1745	СВ	ASP A		25.480	-9.003	32.118		
	1745	CG	ASP A			-10.044	31.824		
ATOM							32.528		
ATOM	1747	OD1	ASP A		27.577				
MOTA	1748		ASP A		26.357		30.899		
ATOM	1749	С	ASP A		23.761	-9.882	30.547		
MOTA	1750	0	ASP A	230	24.000		29.598		
ATOM	1751	N	TYR A	231	22.720		31.342		
ATOM	1752	CA	TYR A	231	21.802	-11.200	31.103		
MOTA	1753	СВ	TYR A	231	20.899	-11.375	32.314	1.000	25.55
ATOM	1754	CG	TYR A	231	21.532	-12.058	33.498	1.000	21.52
ATOM	1755		TYR A			-11.325	34.429		
ATOM	1756		TYR A		22.826		35.516		
			TYR A		22.690		35.684		
MOTA	1757	CZ							
ATOM	1758	OH	TYR A		23.272		36.770		
ATOM	1759	CE2			21.981		34.765		
MOTA	1760	CD2	TYR A	231	21.406		33.678		
ATOM	1761	С	TYR A	231	20.940	-10.997	29.866		
MOTA	1762	0	TYR A	231	20.658	-11.948	29.137		
ATOM	1763	N	ILE A		20.502	-9.768	29.602	1.000	26.34
ATOM	1764	CA	ILE A		19.713	-9.542	28.388		
ATOM	1765	СВ	ILE A		19.309	-8.068	28.191		
	1766		ILE A		18.283	-7.551	29.204		
ATOM						-6.047	29.371		
ATOM	1767	CDT	ILE A	232	18.300	-0.04/	23.3/1	1.000	20.01

ATOM	1768	CG2	ILE A	232	18.811 -7	.833	26.772	1.000	16.63
ATOM	1769	С	ILE A	232	20.497 -9	9.985	27.153	1.000	25.92
ATOM	1770	0	ILE A		19.982 -10		26.311	1.000	22.41
ATOM	1771	N	ASN A			.526	27.075	1.000	
							25.900	1.000	32.05
ATOM	1772	CA	ASN A			788			
MOTA	1773	CB	ASN A			.102	26.027	1.000	31.19
MOTA	1774	CG	ASN A	233	23.891 -7	.603	25.830	1.000	35.15
ATOM	1775	OD1	ASN A	. 233	22.990 - 7	.064	25.190	1.000	42.73
ATOM	1776	ND2	ASN A	233	24.873 -6	.892	26.379	1.000	33.97
ATOM	1777	С	ASN A	233	22.757 -11	.289	25.690	1.000	36.07
ATOM	1778	0	ASN A			.738	24.575	1.000	43.18
ATOM	1779	N	ARG A		22.637 -12		26.765	1.000	37.01
			ARG A			3.496	26.771	1.000	31.16
ATOM	1780	CA							30.18
ATOM	1781	CB	ARG A			3.992	28.046	1.000	
MOTA	1782	CG	ARG A			3.308	28.235	1.000	40.73
MOTA	1783	CD	ARG A			3.886	29.429	1.000	
MOTA	1784	NE	ARG A	234		3.084	29.729	1.000	
MOTA	1785	CZ	ARG A	234	27.879 -13	3.610	30.055	1.000	65.29
ATOM	1786	NH1	ARG A	234	28.006 -14	.931	30.122	1.000	53.28
ATOM	1787	NH2	ARG A	234	28.913 -12	.818	30.313	1.000	60.98
ATOM	1788	С	ARG A		21.320 -14		26.695	1.000	30.94
ATOM	1789	Ō	ARG A		21.130 -15		26.977	1.000	24.57
ATOM	1790	N	SER A		20.307 -13		26.303	1.000	
	1791		SER A		18.990 -13		26.162	1.000	
ATOM		CA							
ATOM	1792	CB	SER A		17.959 -13		27.058	1.000	
MOTA	1793	OG	SER A		18.357 -13		28.416	1.000	33.56
MOTA	1794	С	SER A		18.533 -13		24.704		32.45
ATOM	1795	0	SER A	235	17.616 -13		24.420	1.000	33.61
MOTA	1796	N	PRO A	236	19.136 -14	.685	23.805	1.000	44.30
MOTA	1797	CA	PRO A	236	18.740 -14	.662	22.393	1.000	39.17
ATOM	1798	СВ	PRO A	236	19.695 -15	.646	21.714	1.000	48.74
ATOM	1799	CG	PRO A		20.068 -16	.584	22.822	1.000	52.35
ATOM	1800	CD	PRO A			.667		1.000	
ATOM	1801	C	PRO A		17.312 -15		22.233	1.000	
ATOM	1802	0	PRO A			.104	22.941	1.000	
		-	GLY A			.544		1.000	
ATOM	1803	N C7				.952	21.050	1.000	
ATOM	1804	CA	GLY A					1.000	
ATOM	1805	С	GLY A		14.233 -14		22.054		26.14
MOTA	1806	0	GLY A		13.035 -14				33.46
MOTA	1807	N	ALA A		14.681 -13		23.069		
ATOM	1808	CA	ALA A	238	13.739 -13	.094	24.042		
MOTA	1809	CB	ALA A	238	14.491 -12	.542	25.253	1.000	20.22
ATOM	1810	С	ALA A	238	12.860 -11	.987	23.485	1.000	22.13
ATOM	1811	0	ALA A		13.305 -11	.162	22.683	1.000	22.14
ATOM	1812	N	GLY A		11.599 -11		23.922	1.000	22.60
ATOM	1813	CA	GLY A		10.794 -10		23.654		
	1814	C	GLY A			.578	24.475		
MOTA			GLY A			.584	24.473		
ATOM	1815	0							
ATOM	1816	N	PRO A			.544	24.664		
ATOM	1817	CA	PRO A			.365	25.418		
ATOM	1818	CB	PRO A			.478	25.441		
ATOM	1819	CG	PRO A	240	8.855 -6	.953	24.270	1.000	26.50

ATOM	1820	CD	PRO	A	240	9.123	-8.425	24.156		
ATOM	1821	С	PRO	Α	240	11.261	-7.689	26.866	1.000	24.79
MOTA	1822	0	PRO	A	240	10.775	-8.644	27.466	1.000	18.83
ATOM	1823	N	THR	. A	241	12.130	-6.846	27.414	1.000	24.76
MOTA	1824	CA	THR	A	241	12.452	-6.849	28.822	1.000	19.34
ATOM	1825	CB	THR	. A	241	13.790	-6.140	29.127	1.000	24.33
MOTA	1826	OG1			241	14.851	-6.786	28.430		21.31
ATOM	1827	CG2			241	14.100	-6.254	30.618		17.13
ATOM	1828	С			241	11.352	-6.124	29.598		19.74
ATOM	1829	Ō			241	11.073	-4.964	29.314		18.65
ATOM	1830	N			242	10.731	-6.769	30.576		
ATOM	1831	CA			242	9.738	-6.070	31.381		24.84
ATOM	1832	CB			242	8.698	-7.016	32.012		
ATOM	1833	CG1			242	7.903	-6.283	33.087		
					242			30.936		
ATOM	1834	CG2				7.778	-7.573			
ATOM	1835	С			242	10.420	-5.311	32.515		22.81
ATOM	1836	0			242	11.202	- 5.907	33.245		15.62
ATOM	1837	N			243	10.114	-4.032	32.656		16.25
ATOM	1838	CA			243	10.607	-3.200	33.733		14.93
ATOM	1839	CB			243	11.507	-2.058	33.233		19.66
ATOM	1840	CG1			243	12.145	-1.357	34.424		17.79
ATOM	1841	CG2				12.551	-2.600	32.271		16.83
MOTA	1842	С			243	9.437	-2.590	34.489		
ATOM	1843	0			243	8.522	-2.079	33.856		17.50
MOTA	1844	N	HIS	Α	244	9.469	-2.655	35.821		14.50
MOTA	1845	CA	HIS	Α	244	8.388	-2.005	36.543	1.000	19.33
ATOM	1846	CB	HIS	Α	244	7.200	-2.952	36.704	1.000	15.76
ATOM	1847	CG	HIS	Α	244	7.362	-4.005	37.749	1.000	15.99
ATOM	1848	ND1	HIS	Α	244	7.060	-3.783	39.076	1.000	16.28
ATOM	1849	CE1	HIS	Α	244	7.293	-4.893	39.761	1.000	23.84
ATOM	1850	NE2	HIS	Α	244	7.736	-5.820	38.934	1.000	18.37
ATOM	1851	CD2	HIS	Α	244	7.785	-5.289	37.665	1.000	12.59
ATOM	1852	С	HIS	Α	244	8.868	-1.514	37.906	1.000	22.68
MOTA	1853	0	HIS	Α	244	9.879	-1.996	38.398	1.000	22.27
ATOM	1854	N	CYS	Α	245	8.127	-0.563	38.448	1.000	
ATOM	1855	CA	CYS	Α	245	8.229	-0.136	39.836	1.000	
MOTA	1856	СВ	CYS			8.861	1.241	39.990	1.000	16.47
ATOM	1857	SG	CYS			8.219	2.535	38.895	1.000	26.22
ATOM	1858	С	CYS			6.812	-0.194		1.000	23.88
ATOM	1859	0	CYS			6.094	-1.173	40.153		26.38
ATOM	1860	N	SER			6.385	0.833	41.132		17.80
ATOM	1861	CA	SER			4.995	0.806	41.607		11.67
ATOM	1862	СВ	SER			4.853	1.726	42.821		
ATOM	1863	OG	SER			3.561	1.643	43.393		
ATOM	1864	C	SER			4.033	1.208	40.501		11.21
	1865	0	SER							
ATOM						3.068	0.510	40.185		
ATOM	1866	N	ALA			4.286	2.377	39.909		15.30
ATOM	1867	CA	ALA			3.455	2.947	38.871		13.07
ATOM	1868	CB	ALA			3.302	4.446	39.102		
ATOM	1869	C	ALA			4.008	2.710	37.468		
ATOM	1870	0	ALA			3.286	2.806	36.473		
ATOM	1871	N	GLY	A	248	5.300	2.413	37.353	T.000	15.64

ATOM	1872	CA			248	5.9		2.177	36.056		
ATOM	1873	С	GLY	Α	248	6.3		3.497	35.413		
ATOM	1874	0	GLY	Α	248	6.2	206	3.654	34.200	1.000	29.60
MOTA	1875	N	VAL	Α	249	6.8	328	4.410	36.242	1.000	24.91
ATOM	1876	CA	VAL	Α	249	7.1	L65	5.771	35.893	1.000	28.97
ATOM	1877	СВ			249	6.3		6.742	36.799	1.000	36.67
ATOM	1878		VAL			4.9		6.994	36.192		
ATOM	1879		VAL			6.2		6.201	38.219		
ATOM	1880	C			249	8.6		6.167	36.035		
ATOM	1881	0			249	9.4		5.930		1.000	
					250	8.9		6.823	37.144		
ATOM	1882	N			250	10.1		7.515	37.501		
ATOM	1883	CA									
ATOM	1884	С			250	11.3		6.573	37.577		14.84
MOTA	1885	0			250	12.2		6.702	36.763		
ATOM	1886	N	ARG			11.2		5.662	38.534		
ATOM	1887	CA			251	12.3		4.688		1.000	
ATOM	1888	CB			251	12.0		3.823	39.969		
ATOM	1889	CG	ARG	Α	251	11.8	369	4.624	41.250		
MOTA	1890	CD	ARG	Α	251	11.6	553	3.670	42.416	1.000	23.58
ATOM	1891	NE	ARG	Α	251	11.3	390	4.352	43.679	1.000	22.88
MOTA	1892	CZ	ARG	Α	251	11.1	100	3.675	44.791	1.000	22.64
ATOM	1893	NH1	ARG	A	251	11.0)42	2.354	44.756	1.000	26.67
ATOM	1894		ARG			10.8	365	4.301	45.931	1.000	21.50
ATOM	1895	С	ARG			12.5		3.790	37.513		
ATOM	1896	Ö			251	13.6		3.477	37.144		
ATOM	1897	N			252	11.4		3.372	36.904		
ATOM	1898	CA			252	11.4		2.546	35.702		
MOTA	1899	CB			252	10.1		2.014	35.289		
ATOM	1900	OG1			252	9.7		1.005	36.228		
		CG2			252	10.1		1.333	33.924		
ATOM	1901					12.1		3.351		1.000	
ATOM	1902	C			252			2.852	33.877		
ATOM	1903	0			252	13.0			34.377		
MOTA	1904	N			253	11.6		4.580			
ATOM	1905	CA			253	12.1		5.407	33.276		
MOTA	1906	С			253	13.6		5.663	33.423		
ATOM	1907	0			253	14.3		5.727	32.452		20.33
ATOM	1908	N			254	14.0		5.811	34.674		
ATOM	1909	CA	THR			15.4		6.059		1.000	
ATOM	1910	CB	THR			15.5		6.439		1.000	
MOTA	1911		THR			14.8		7.688	36.704		
ATOM	1912	CG2	THR	Α	254	16.9	993	6.642	36.910	1.000	22.36
ATOM	1913	С	THR	Α	254	16.3	300	4.847	34.714	1.000	22.06
ATOM	1914	0	THR	Α	254	17.3	389	4.928	34.151	1.000	27.89
ATOM	1915	N	PHE	Α	255	15.8	311	3.671	35.094	1.000	18.65
ATOM	1916	CA			255	16.4		2.433	34.780	1.000	13.27
ATOM	1917	СВ			255	15.7		1.219	35.277		
MOTA	1918	CG			255	16.3		-0.125	34.923		
ATOM	1919		PHE			17.2		-0.717	35.783		
ATOM	1920		PHE			17.7		-1.941	35.492		
	1921	CZ	PHE			17.4		-2.615	34.325		
ATOM						16.5		-2.013	33.461		
ATOM	1922		PHE								
MOTA	1923	CD2	PHE	А	∠55	15.9	90/ -	-0.836	33.778	1.000	20.36

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ATOM	1924	С	PHE .			16.721	2.323	33.277		
ATOM	1925	0	PHE .	A	255	17.791	1.918	32.814	1.000	
ATOM	1926	N	ILE .	A	256	15.665	2.620	32.511	1.000	
MOTA	1927	CA	ILE .	A	256	15.794	2.334	31.082	1.000	
ATOM	1928	CB	ILE .	Α	256	14.462	2.211	30.336	1.000	
MOTA	1929	CG1	ILE .	Α	256	13.667	0.941	30.657	1.000	26.28
ATOM	1930	CD1	ILE .	Α	256	12.210	1.020	30.221	1.000	23.52
ATOM	1931	CG2	ILE .	Α	256	14.666	2.310	28.823	1.000	17.05
MOTA	1932	С	ILE .			16.666	3.412	30.439	1.000	14.97
ATOM	1933	Ō	ILE			17.470	3.058	29.575	1.000	20.35
ATOM	1934	N	ALA			16.489	4.659	30.864	1.000	16.95
ATOM	1935	CA	ALA			17.365	5.725	30.354	1.000	13.62
ATOM	1936	CB	ALA			16.973	7.077	30.894	1.000	
	1937	С	ALA .			18.811	5.373	30.689	1.000	
MOTA			ALA .			19.713	5.497	29.866	1.000	
ATOM	1938	0					4.886	31.908	1.000	
ATOM	1939	N	LEU .			19.083		32.186	1.000	
ATOM	1940	CA	LEU .			20.490	4.560			
MOTA	1941	СВ	LEU .			20.723	4.299	33.673		29.22
MOTA	1942	CG	LEU .			22.171	4.177	34.151	1.000	
MOTA	1943	CD1	LEU .			23.069	5.186	33.453	1.000	
MOTA	1944	CD2	LEU .			22.268	4.363	35.660	1.000	
MOTA	1945	С	LEU .			20.931	3.377	31.336	1.000	
MOTA	1946	0	LEU .	A	258	22.020	3.447	30.768	1.000	
MOTA	1947	N	ASP .	A	259	20.130	2.316	31.238		19.82
MOTA	1948	CA	ASP .	Α	259	20.524	1.155	30.439	1.000	
MOTA	1949	CB	ASP .	Α	259	19.441	0.080	30.461	1.000	26.62
MOTA	1950	CG	ASP .	Α	259	19.716	-1.155	29.637	1.000	33.72
ATOM	1951	OD1	ASP .	Α	259	20.883	-1.598	29.573	1.000	35.74
ATOM	1952	OD2	ASP .	Α	259	18.758	-1.719	29.046	1.000	24.80
MOTA	1953	С	ASP .	A	259	20.832	1.579	29.010	1.000	21.68
MOTA	1954	0	ASP .	A	259	21.742	1.052	28.372	1.000	28.89
ATOM	1955	N	ARG .	A	260	20.070	2.539	28.506	1.000	23.42
MOTA	1956	CA	ARG .	Α	260	20.230	3.024	27.138	1.000	25.06
ATOM	1957	СВ	ARG .			19.028	3.897	26.771	1.000	28.71
MOTA	1958	CG	ARG			17.920	3.218	25.983	1.000	37.83
ATOM	1959	CD	ARG			17.815	3.892	24.612	1.000	40.41
ATOM	1960	NE	ARG			16.447	4.236	24.289		39.10
ATOM	1961	CZ	ARG .			15.997	5.081	23.376	1.000	37.92
ATOM	1962	NH1	ARG .			16.820	5.759		1.000	
ATOM	1963		ARG			14.682	5.235	23.257		
ATOM	1964	C	ARG A			21.503	3.834	26.932		
ATOM	1965	0	ARG A			22.183	3.707	25.913		
						21.850	4.713	27.878		
ATOM	1966	N	ILE .					27.644		
ATOM	1967	CA	ILE .			23.011	5.568	28.463		
ATOM	1968	CB	ILE .			23.003	6.871	28.463		
ATOM	1969	CG1				23.174	6.692			
ATOM	1970		ILE .			22.668	7.864	30.782		
ATOM	1971	CG2	ILE A			21.747	7.669	28.142		
MOTA	1972	С	ILE .			24.311	4.827	27.939		
ATOM	1973	0	ILE			25.293	5.061	27.228		
ATOM	1974	N	LEU			24.317	3.958	28.951		
ATOM	1975	CA	LEU .	A	262	25.541	3.189	29.202	1.000	27.21

ATOM	1976	СВ	TEII	71	262	25.411	2.219	30.368	1 000	20 62
ATOM	1977	CG			262	25.330				
ATOM	1978	CD1			262	25.330	2.760 1.630	31.793		
ATOM	1979	CD2			262	26.441	3.762	32.815 32.059		
ATOM	1980	C			262	25.912	2.424	27.931		
ATOM	1981	0			262	27.090	2.228	27.640		
ATOM	1982	N			263	24.900	1.987	27.183		40.70
ATOM	1983	CA			263	25.151	1.267	25.943		
ATOM	1984	CB			263	23.131	0.706	25.322		30.76
ATOM	1985	CG			263	23.653	-0.767	25.637		
ATOM	1986	CD			263	22.223	-1.212	25.423		
ATOM	1987	OE1			263	21.946	-1.976	24.500	1.000	30.64
ATOM	1988	NE2			263	21.304	-0.760	26.273	1.000	
ATOM	1989	C			263	25.827	2.190	24.934	1.000	
ATOM	1990	Ö			263	26.667	1.744	24.161		46.96
ATOM	1991	N			264	25.420	3.455	24.977		42.51
ATOM	1992	CA			264	25.954	4.431	24.033		47.48
ATOM	1993	СВ			264	25.220	5.773	24.152		
ATOM	1994	CG			264	23.957	5.807	23.303	1.000	37.99
ATOM	1995	CD			264	23.060	6.989	23.591	1.000	42.10
ATOM	1996	OE1				23.477	7.972	24.206		41.41
MOTA	1997	NE2	GLN	Α	264	21.814	6.899	23.144	1.000	49.45
ATOM	1998	С	GLN	Α	264	27.452	4.610	24.256		50.33
ATOM	1999	0	GLN	Α	264	28.253	4.493	23.328	1.000	38.61
MOTA	2000	N	LEU	Α	265	27.777	4.876	25.513	1.000	49.87
MOTA	2001	CA	LEU	Α	265	29.118	5.176	25.984	1.000	51.23
ATOM	2002	CB	LEU	Α	265	29.084	5.389	27.503	1.000	48.71
MOTA	2003	CG	LEU	Α	265	28.256	6.584	27.988	1.000	49.68
MOTA	2004		LEU			28.263	6.684	29.507	1.000	46.47
ATOM	2005	CD2	LEU	Α	265	28.757	7.884	27.370	1.000	44.07
ATOM	2006	С	LEU			30.122	4.097	25.607	1.000	59.08
MOTA	2007	0	LEU			31.329	4.351	25.565	1.000	62.01
ATOM	2008	N	ASP			29.656	2.887	25.317	1.000	60.11
ATOM	2009	CA	ASP			30.559	1.815	24.901	1.000	60.82
ATOM	2010	CB	ASP			30.345	0.581	25.776	1.000	68.15
ATOM	2011	CG	ASP			30.603	0.832	27.251	1.000	74.94
ATOM	2012		ASP			31.286	1.822		1.000	87.47
ATOM	2013		ASP			30.117	0.033	28.083	1.000	72.82
ATOM	2014	С	ASP			30.362	1.481	23.428	1.000	56.29
ATOM	2015	0	ASP			30.797	0.449	22.918		
ATOM	2016	N	SER			29.692	2.373	22.703		
ATOM	2017 2018	CA	SER			29.450	2.133	21.286		
ATOM ATOM	2018	CB OG	SER SER			28.040	1.563	21.092		47.54
ATOM	2019	C	SER			28.070	0.147	21.070		70.07
ATOM	2021	0	SER			29.602 29.833	3.403 3.345	20.457		
ATOM	2021	N	LYS			29.633	4.547	19.249 21.113		
ATOM	2023	CA	LYS			29.450	5.851	20.473		
ATOM	2023	CB	LYS			28.124	6.565	20.473		73.01
ATOM	2025	CG	LYS			27.792	7.746	19.856		78.98
ATOM	2026	CD	LYS			26.344	7.687	19.384		
ATOM	2027	CE	LYS			25.589	8.983	19.679		
							0.300			

ATOM	2028	NZ	LYS	Α	268	24.372	8.773	20.503	1.000	77.94
ATOM	2029	С	LYS	Α	268	30.607	6.721	20.967	1.000	57.67
ATOM	2030	0	LYS	Α	268	31.288	6.352	21.923	1.000	56.55
ATOM	2031	N	ASP			30.759	7.842	20.289	1.000	51.51
ATOM	2032	CA	ASP			31.664	8.925		1.000	
ATOM	2032	CB	ASP			32.424	9.415	19.388	1.000	66.41
	2033	CG	ASP			31.625	9.286		1.000	74.35
ATOM						32.119	8.629	17.162	1.000	91.04
ATOM	2035		ASP ASP			30.505	9.842	18.044	1.000	
ATOM	2036						10.067	21.240	1.000	58.72
ATOM	2037	C	ASP			30.865			1.000	48.76
ATOM	2038	0	ASP			31.369	11.104			
ATOM	2039	N	SER			29.551	9.848	21.289		55.39
ATOM	2040	CA	SER			28.687	10.847		1.000	53.30
ATOM	2041	СВ	SER			27.989	11.679		1.000	
ATOM	2042	OG	SER			27.692	10.829		1.000	51.09
ATOM	2043	С	SER			27.674	10.148		1.000	
ATOM	2044	0	SER			27.500	8.934	22.703	1.000	
MOTA	2045	N	VAL			27.031	10.915	23.668	1.000	
ATOM	2046	CA	VAL	Α	271	26.025	10.400	24.590	1.000	
ATOM	2047	CB	VAL	Α	271	26.612	10.189	25.992	1.000	
ATOM	2048	CG1	VAL	Α	271	27.075	11.525	26.564	1.000	28.98
ATOM	2049	CG2	VAL	Α	271	25.609	9.523	26.918	1.000	33.32
ATOM	2050	С	VAL	Α	271	24.851	11.374	24.626	1.000	51.02
ATOM	2051	0	VAL	Α	271	25.054	12.585	24.754	1.000	45.80
ATOM	2052	N	ASP	A	272	23.639	10.841	24.484	1.000	43.19
ATOM	2053	CA	ASP			22.451	11.680	24.350	1.000	34.67
MOTA	2054	СВ	ASP			21.819	11.492	22.973	1.000	34.66
ATOM	2055	CG	ASP	Α	272	20.791	12.553	22.633	1.000	34.78
ATOM	2056		ASP			20.496	13.413	23.488	1.000	
ATOM	2057		ASP			20.262	12.537		1.000	
ATOM	2058	С	ASP			21.450	11.367		1.000	
ATOM	2059	0	ASP			20.601	10.489		1.000	
ATOM	2060	N	ILE			21.548	12.095		1.000	
ATOM	2061	CA	ILE			20.651	11.774		1.000	
ATOM	2062	CB	ILE			21.245	12.212	29.019	1.000	
ATOM	2063	CG1	ILE			22.562	11.518	29.362	1.000	
ATOM	2064	CD1	ILE			23.227	12.049	30.612		33.99
ATOM	2065	CG2	ILE			20.228	12.016	30.134	1.000	
ATOM	2066	C	ILE			19.290	12.420			36.66
	2067	-	ILE			18.264	11.844	27.813		
ATOM	2068	O N	TYR			19.301	13.608	26.845		
ATOM	2069					18.044	14.276		1.000	
ATOM		CA	TYR					25.908		
ATOM	2070	CB	TYR			18.312	15.642			
ATOM	2071	CG	TYR			17.119	16.489	25.551		
MOTA	2072	CD1	TYR			16.633	17.434	26.450		
ATOM	2073	CE1	TYR			15.544	18.225	26.150		
ATOM	2074	CZ	TYR			14.913	18.089	24.932		
MOTA	2075	ОН	TYR			13.827	18.881	24.631		
ATOM	2076		TYR			15.372	17.169	24.020		
ATOM	2077		TYR			16.469	16.377		1.000	
ATOM	2078	С	TYR			17.228	13.415	25.565		
ATOM	2079	0	TYR	A	274	16.027	13.221	25.735	1.000	27.79

ATOM 2080 N GLY A 275											
ATOM 2082 C C GLY A 275	ATOM	2080	N	GLY	Α	275	17.908	12.908	24.540	1.000	30.84
ATOM 2083 O GLY A 275	MOTA	2081	CA	GLY	Α	275	17.256	12.132	23.499	1.000	38.31
ATOM 2084 N ALA A 276 16.728 8.949 25.490 1.000 26.01 ATOM 2085 CA ALA A 276 16.728 8.949 25.490 1.000 26.10 ATOM 2086 CB ALA A 276 17.753 8.300 26.409 1.000 36.77 ATOM 2087 C ALA A 276 15.440 9.236 26.248 1.000 26.60 ATOM 2088 O ALA A 276 14.412 8.600 26.061 1.000 21.84 ATOM 2089 N VAL A 277 15.510 10.227 27.129 1.000 27.46 ATOM 2090 CA VAL A 277 15.510 10.227 27.129 1.000 27.46 ATOM 2091 CB VAL A 277 14.382 10.602 27.971 1.000 22.34 ATOM 2091 CB VAL A 277 14.382 10.602 27.971 1.000 22.97 ATOM 2092 CG1 VAL A 277 13.661 12.343 29.687 1.000 33.02 ATOM 2093 CG2 VAL A 277 13.661 12.343 29.687 1.000 33.02 ATOM 2094 C VAL A 277 15.720 10.980 30.043 1.000 17.52 ATOM 2095 O VAL A 277 12.060 10.837 27.417 1.000 29.47 ATOM 2096 N HIS A 278 13.556 11.815 26.043 1.000 20.605 ATOM 2097 CA HIS A 278 13.556 11.815 26.043 1.000 20.53 ATOM 2099 CG B HIS A 278 13.556 11.815 26.043 1.000 25.33 ATOM 2099 CG B HIS A 278 13.204 13.259 24.087 1.000 27.86 ATOM 2090 CG HIS A 278 13.204 13.259 24.087 1.000 27.86 ATOM 2101 CE1 HIS A 278 11.807 13.069 21.994 1.000 24.22 ATOM 2101 CE1 HIS A 278 11.807 13.069 21.994 1.000 24.22 ATOM 2101 CE1 HIS A 278 11.807 13.069 21.994 1.000 24.22 ATOM 2102 NE2 HIS A 278 11.807 13.069 21.994 1.000 24.22 ATOM 2103 CD2 HIS A 278 11.807 13.819 21.244 1.000 24.92 ATOM 2104 C HIS A 278 11.807 13.819 21.244 1.000 24.92 ATOM 2105 O HIS A 278 11.807 13.819 21.244 1.000 24.92 ATOM 2106 N ASP A 279 12.571 10.160 24.059 1.000 23.01 ATOM 2107 CA ASP A 279 12.571 10.160 24.059 1.000 23.02 ATOM 2108 CB ASP A 279 13.099 8.159 22.746 1.000 30.17 ATOM 2105 C ASP A 279 12.571 10.160 24.059 1.000 23.03 ATOM 2106 CB ASP A 279 13.096 6.106 21.539 1.000 30.37 ATOM 2107 CA ASP A 279 13.096 6.106 21.539 1.000 30.34 ATOM 2108 CB ASP A 279 13.096 6.106 21.539 1.000 20.73 ATOM 2110 CD1 ASP A 279 12.571 7.787 20.659 1.000 20.73 ATOM 2111 CD2 ASP A 279 13.096 6.106 21.559 1.000 20.73 ATOM 2112 C ASP A 279 13.096 6.106 21.559 1.000 30.376 ATOM 2113 CA ASP A 280 11.627 7.787 20.659 1.000 23.016 ATOM 2121 C C LEU A 280 11.627 8.121 25	ATOM	2082	С	GLY	Α	275	16.611	10.863	24.016	1.000	36.93
ATOM 2085 CA ALA A 276 17.753 8.300 25.409 1.000 26.10 ATOM 2086 CB ALA A 276 17.753 8.300 26.409 1.000 36.77 ATOM 2087 C ALA A 276 15.400 9.236 26.248 1.000 26.60 ATOM 2088 O ALA A 276 14.412 8.600 26.061 1.000 21.84 ATOM 2089 N VAL A 277 15.510 10.227 27.129 1.000 27.46 ATOM 2090 CA VAL A 277 14.382 10.602 27.971 1.000 26.38 ATOM 2091 CB VAL A 277 14.882 10.602 27.971 1.000 27.97 ATOM 2092 CGI VAL A 277 14.882 10.602 27.971 1.000 27.97 ATOM 2091 CB VAL A 277 13.661 12.343 29.687 1.000 33.02 ATOM 2093 CG2 VAL A 277 15.570 10.980 30.043 1.000 17.52 ATOM 2094 C VAL A 277 15.720 10.980 30.043 1.000 27.97 ATOM 2095 O VAL A 277 12.060 10.837 27.413 1.000 26.05 ATOM 2095 O VAL A 277 12.060 10.837 27.417 1.000 29.47 ATOM 2096 N HIS A 278 13.556 11.815 26.043 1.000 20.60 ATOM 2097 CA HIS A 278 13.556 11.815 26.043 1.000 25.37 ATOM 2098 CB HIS A 278 13.556 11.815 26.043 1.000 25.37 ATOM 2099 CG HIS A 278 12.276 13.815 23.054 1.000 25.27 ATOM 2090 CB HIS A 278 12.276 13.815 23.054 1.000 25.27 ATOM 2100 NDI HIS A 278 11.807 13.069 21.994 1.000 24.22 ATOM 2101 CEI HIS A 278 11.807 13.069 21.994 1.000 24.22 ATOM 2102 NEZ HIS A 278 11.807 13.069 21.994 1.000 24.92 ATOM 2103 CDZ HIS A 278 11.807 13.069 21.994 1.000 24.92 ATOM 2104 C HIS A 278 11.807 13.069 21.994 1.000 22.95 ATOM 2105 O HIS A 278 11.815 13.819 21.244 1.000 24.97 ATOM 2106 N ASP A 279 12.77 10.160 22.900 1.000 22.15 ATOM 2107 CA ASP A 279 12.77 10.160 22.900 1.000 22.15 ATOM 2108 CB ASP A 279 12.77 10.160 24.059 1.000 20.03 ATOM 2108 CB ASP A 279 12.77 7.787 20.605 1.000 20.73 ATOM 2107 CA ASP A 279 12.77 7.787 20.605 1.000 20.73 ATOM 2108 CB ASP A 279 12.77 7.787 20.605 1.000 20.75 ATOM 2110 CDI ASP A 279 12.77 7.787 20.605 1.000 20.75 ATOM 2110 CDI ASP A 279 12.77 7.787 20.605 1.000 20.75 ATOM 2111 ODZ ASP A 279 12.77 7.787 20.605 1.000 20.75 ATOM 2112 C ASP A 279 12.777 7.787 20.605 1.000 20.75 ATOM 2113 O ASP A 279 12.777 7.787 20.605 1.000 20.75 ATOM 2114 N LEU A 280 11.598 7.720 23.981 1.000 30.97 ATOM 2125 CG ARG A 281 8.840 11.690 27.129 1.000 27.98 A	ATOM	2083	0	GLY	Α	275	15.515	10.487	23.605	1.000	33.21
ATOM 2085 CA ALA A 276 17.753 8.300 26.409 1.000 26.10 ATOM 2086 CB ALA A 276 17.753 8.300 26.409 1.000 26.70 ATOM 2087 C ALA A 276 15.440 9.236 26.248 1.000 26.60 ATOM 2088 O ALA A 276 14.412 8.600 26.061 1.000 21.84 ATOM 2089 N VAL A 277 15.510 10.227 27.129 1.000 27.46 ATOM 2090 CA VAL A 277 14.382 10.602 27.971 1.000 26.38 ATOM 2091 CB VAL A 277 14.882 11.656 29.004 1.000 27.97 ATOM 2092 CG1 VAL A 277 13.661 12.343 29.687 1.000 33.02 ATOM 2093 CG2 VAL A 277 15.720 10.980 30.043 1.000 17.52 ATOM 2094 C VAL A 277 13.269 11.033 27.113 1.000 26.05 ATOM 2095 O VAL A 277 13.269 11.033 27.113 1.000 26.05 ATOM 2095 O VAL A 277 13.259 11.033 27.113 1.000 26.05 ATOM 2095 O VAL A 277 12.060 10.837 27.417 1.000 29.47 ATOM 2096 N HIS A 278 13.556 11.815 26.043 1.000 20.60 ATOM 2097 CA HIS A 278 12.558 12.336 25.113 1.000 25.37 ATOM 2098 CB HIS A 278 13.556 11.815 26.043 1.000 20.86 ATOM 2099 CG HIS A 278 12.276 13.815 23.054 1.000 25.27 ATOM 2100 ND1 HIS A 278 11.807 13.069 21.994 1.000 24.22 ATOM 2101 CE1 HIS A 278 11.807 13.069 21.994 1.000 24.22 ATOM 2102 NEZ HIS A 278 11.807 13.069 21.994 1.000 24.92 ATOM 2103 CD2 HIS A 278 11.807 13.069 21.994 1.000 24.92 ATOM 2104 C HIS A 278 11.807 13.069 21.994 1.000 23.91 ATOM 2105 O HIS A 278 11.807 13.069 21.994 1.000 23.92 ATOM 2106 N ASP A 279 11.915 13.819 21.244 1.000 23.01 ATOM 2107 CA ASP A 279 12.571 10.160 24.059 1.000 23.01 ATOM 2108 CB ASP A 279 12.571 10.160 24.059 1.000 23.01 ATOM 2107 CA ASP A 279 12.571 10.160 24.059 1.000 25.09 ATOM 2107 CA ASP A 279 12.577 7.787 20.605 1.000 25.50 ATOM 2110 CD1 ASP A 279 12.977 7.787 20.605 1.000 25.50 ATOM 2111 OD2 ASP A 279 12.977 7.787 20.605 1.000 26.55 ATOM 2112 C ASP A 279 11.994 9.026 23.343 1.000 23.01 ATOM 2110 CD1 ASP A 279 12.977 7.787 20.605 1.000 25.55 ATOM 2111 OD2 ASP A 279 12.577 7.787 20.605 1.000 25.55 ATOM 2112 C ASP A 280 11.598 7.720 23.981 1.000 30.74 ATOM 2112 C ASP A 280 11.598 5.407 26.930 1.000 30.75 ATOM 2113 C ASP A 281 8.804 11.599 27.729 1.000 27.98 ATOM 2121 C LEU A 280 11.598 7.725 26.702 1.000	ATOM	2084	N	ALA	Α	276	17.282	10.176	24.930	1.000	26.01
ATOM 2086 CB ALA A 276											
ATOM 2088 C ALA A 276											
ATOM 2089 N VAL A 277 15.510 10.227 27.129 1.000 27.46 ATOM 2090 CA VAL A 277 14.829 11.656 29.004 1.000 26.38 ATOM 2091 CB VAL A 277 13.661 12.343 29.687 1.000 32.091 ATOM 2092 CG1 VAL A 277 13.661 12.343 29.687 1.000 32.092 ATOM 2093 CG2 VAL A 277 13.661 12.343 29.687 1.000 32.093 CG2 VAL A 277 13.661 12.343 29.687 1.000 32.093 CG2 VAL A 277 13.661 12.343 29.687 1.000 32.093 CG2 VAL A 277 12.060 10.890 30.043 1.000 17.52 ATOM 2095 O VAL A 277 12.060 10.837 27.417 1.000 26.05 ATOM 2095 O VAL A 277 12.060 10.837 27.417 1.000 26.05 ATOM 2096 N HIS A 278 13.556 11.815 26.043 1.000 25.33 ATOM 2098 CB HIS A 278 12.558 12.336 25.113 1.000 25.33 ATOM 2098 CB HIS A 278 13.204 13.259 24.087 1.000 27.86 ATOM 2099 CG HIS A 278 12.276 13.815 23.054 1.000 22.27 ATOM 2100 ND1 HIS A 278 11.807 13.069 21.994 1.000 24.22 ATOM 2101 CE1 HIS A 278 11.015 13.819 21.244 1.000 24.22 ATOM 2102 NE2 HIS A 278 11.015 13.819 21.244 1.000 24.22 ATOM 2102 NE2 HIS A 278 11.015 13.819 21.244 1.000 24.22 ATOM 2103 CD2 HIS A 278 11.015 13.819 21.244 1.000 24.22 ATOM 2103 CD2 HIS A 278 11.056 11.288 24.068 1.000 23.92 ATOM 2103 CD2 HIS A 278 11.650 11.288 24.068 1.000 25.09 ATOM 2105 O HIS A 278 11.838 11.214 24.370 1.000 23.92 ATOM 2105 O HIS A 278 11.838 11.214 24.370 1.000 25.09 ATOM 2105 O HIS A 278 11.838 11.244 24.370 1.000 25.09 ATOM 2105 O HIS A 278 11.838 11.244 24.370 1.000 25.09 ATOM 2105 O HIS A 278 11.838 11.244 24.370 1.000 25.09 ATOM 2105 O ASP A 279 12.571 10.160 24.059 1.000 25.09 ATOM 2105 O ASP A 279 12.571 10.160 24.059 1.000 25.09 ATOM 2105 O CA ASP A 279 12.571 10.160 24.059 1.000 25.73 ATOM 2105 O CA ASP A 279 12.777 7.787 20.605 1.000 25.73 ATOM 2110 OD1 ASP A 279 11.313 8.228 24.309 1.000 19.27 ATOM 2111 OD2 ASP A 279 11.313 8.228 24.309 1.000 25.22 ATOM 2112 C ASP A 279 11.313 8.228 24.309 1.000 25.22 ATOM 2112 C ASP A 279 11.313 8.228 24.309 1.000 25.22 ATOM 2113 O ASP A 279 11.313 8.228 24.309 1.000 25.22 ATOM 2124 C B ARG A 281 8.840 11.690 27.129 1.000 25.22 ATOM 2124 C B ARG A 281 9.450 9.335 26.677 1.000 27.59 AT											
ATOM 2089 N VAL A 277											
ATOM 2090 CA VAL A 277											
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ATOM 2094 C VAL A 277 13.229 11.103 27.113 1.000 26.05 ATOM 2095 O VAL A 277 12.060 10.837 27.417 1.000 29.47 ATOM 2096 N HIS A 278 13.556 11.815 26.043 1.000 20.60 ATOM 2097 CA HIS A 278 12.558 12.336 25.113 1.000 25.33 ATOM 2098 CB HIS A 278 12.558 12.336 25.113 1.000 27.86 ATOM 2099 CG HIS A 278 12.276 13.815 23.054 1.000 27.86 ATOM 2090 CJ HIS A 278 12.276 13.815 23.054 1.000 25.27 ATOM 2100 NDI HIS A 278 11.807 13.069 21.994 1.000 24.22 ATOM 2101 CE1 HIS A 278 11.015 13.819 21.244 1.000 24.97 ATOM 2102 NE2 HIS A 278 11.015 13.819 21.244 1.000 24.97 ATOM 2103 CD2 HIS A 278 11.746 15.031 21.773 1.000 23.92 ATOM 2104 C HIS A 278 11.746 15.031 21.773 1.000 23.92 ATOM 2105 O HIS A 278 11.838 11.214 24.370 1.000 23.01 ATOM 2106 N ASP A 279 12.571 10.160 24.059 1.000 25.09 ATOM 2107 CA ASP A 279 12.571 10.160 24.059 1.000 20.73 ATOM 2107 CA ASP A 279 12.571 10.160 24.059 1.000 20.73 ATOM 2109 CG ASP A 279 12.571 10.160 24.059 1.000 20.73 ATOM 2100 SB ASP A 279 12.727 7.306 21.558 1.000 30.34 ATOM 2110 ODI ASP A 279 12.077 7.787 20.605 1.000 26.50 ATOM 2111 OD2 ASP A 279 12.077 7.787 20.605 1.000 23.16 ATOM 2111 OD2 ASP A 279 11.131 8.228 24.309 1.000 23.16 ATOM 2113 O ASP A 279 11.131 8.228 24.309 1.000 23.16 ATOM 2114 N LEU A 280 11.627 8.121 25.541 1.000 30.37 ATOM 2113 O ASP A 279 10.059 7.720 23.981 1.000 23.16 ATOM 2114 N LEU A 280 11.627 8.121 25.541 1.000 17.51 ATOM 2115 CA LEU A 280 11.627 8.121 25.541 1.000 23.16 ATOM 2116 CB LEU A 280 12.948 6.595 27.878 1.000 23.16 ATOM 2117 CG LEU A 280 12.998 5.407 26.930 1.000 29.78 ATOM 2112 C LEU A 280 12.998 5.407 26.930 1.000 27.78 ATOM 2120 C LEU A 280 12.998 5.407 26.930 1.000 27.78 ATOM 2121 C LEU A 280 12.998 5.407 26.930 1.000 27.78 ATOM 2122 C LEU A 280 12.998 5.407 26.930 1.000 27.78 ATOM 2122 C LEU A 280 13.309 6.169 29.294 1.000 27.78 ATOM 2122 C LEU A 280 13.309 6.169 29.294 1.000 27.78 ATOM 2122 C LEU A 280 13.309 6.169 29.294 1.000 27.78 ATOM 2123 CA ARG A 281 8.840 11.690 27.129 1.000 27.78 ATOM 2124 CB ARG A 281 8.840 11.690 27.129 1.000 27.78 ATOM											
ATOM 2095 O VAL A 277											
ATOM 2096 N HIS A 278											
ATOM 2097 CA HIS A 278											
ATOM 2098 CB HIS A 278											
ATOM 2099 CG HIS A 278											
ATOM	ATOM	2098	CB	HIS	A	278					
ATOM 2101 CE1 HIS A 278	ATOM	2099	CG	HIS	A	278	12.276				
ATOM 2102 NE2 HIS A 278	ATOM	2100	ND1	HIS	Α	278	11.807				
ATOM 2103 CD2 HIS A 278	MOTA	2101	CE1	HIS	A	278	11.015	13.819	21.244	1.000	24.97
ATOM 2104 C HIS A 278	ATOM	2102	NE2	HIS	A	278	10.961	15.031	21.773	1.000	23.92
ATOM 2106 N ASP A 279 12.571 10.160 24.059 1.000 25.09 ATOM 2107 CA ASP A 279 11.994 9.026 23.343 1.000 24.89 ATOM 2108 CB ASP A 279 13.099 8.159 22.746 1.000 30.17 ATOM 2109 CG ASP A 279 12.727 7.306 21.558 1.000 30.34 ATOM 2110 OD1 ASP A 279 12.077 7.787 20.605 1.000 26.50 ATOM 2111 OD2 ASP A 279 13.096 6.106 21.539 1.000 33.56 ATOM 2112 C ASP A 279 11.131 8.228 24.309 1.000 19.27 ATOM 2113 O ASP A 279 11.131 8.228 24.309 1.000 19.27 ATOM 2113 O ASP A 279 10.059 7.720 23.981 1.000 23.16 ATOM 2114 N LEU A 280 11.627 8.121 25.541 1.000 17.51 ATOM 2115 CA LEU A 280 11.627 8.121 25.541 1.000 17.51 ATOM 2116 CB LEU A 280 11.578 7.273 27.857 1.000 25.22 ATOM 2116 CB LEU A 280 11.578 7.273 27.857 1.000 25.22 ATOM 2118 CD1 LEU A 280 11.578 7.273 27.857 1.000 22.56 ATOM 2119 CD2 LEU A 280 13.309 6.169 29.294 1.000 16.61 ATOM 2119 CD2 LEU A 280 12.998 5.407 26.702 1.000 39.44 ATOM 2120 C LEU A 280 13.309 6.169 29.294 1.000 16.61 ATOM 2121 O LEU A 280 8.472 7.315 26.678 1.000 39.44 ATOM 2120 C LEU A 280 9.475 8.027 26.702 1.000 28.43 ATOM 2121 O LEU A 280 8.472 7.315 26.678 1.000 27.78 ATOM 2122 N ARG A 281 9.480 9.335 26.877 1.000 27.78 ATOM 2122 C ARG A 281 8.364 10.230 27.097 1.000 27.78 ATOM 2122 C ARG A 281 8.364 10.230 27.097 1.000 27.59 ATOM 2124 CB ARG A 281 8.840 11.690 27.129 1.000 27.59 ATOM 2125 CG ARG A 281 8.840 11.690 27.129 1.000 33.64 ATOM 2122 C ARG A 281 8.840 11.690 27.129 1.000 36.75 ATOM 2128 CZ ARG A 281 9.597 12.025 28.413 1.000 36.75 ATOM 2128 CZ ARG A 281 9.595 12.376 30.435 1.000 36.75 ATOM 2129 NH1 ARG A 281 9.595 12.376 30.435 1.000 36.75 ATOM 2129 NH1 ARG A 281 9.556 13.626 31.204 1.000 40.89 ATOM 2129 NH1 ARG A 281 9.556 13.626 31.204 1.000 40.89 ATOM 2129 NH1 ARG A 281 9.556 13.626 31.204 1.000 40.89 ATOM 2129 NH1 ARG A 281 9.556 13.626 31.204 1.000 40.89 ATOM 2123 NH2 ARG A 281 9.556 13.626 31.204 1.000 40.89 ATOM 2123 NH2 ARG A 281 9.556 13.626 31.204 1.000 40.89	ATOM	2103	CD2	HIS	Α	278	11.746	15.050	22.900	1.000	22.15
ATOM 2106 N ASP A 279 11.994 9.026 23.343 1.000 20.73 ATOM 2107 CA ASP A 279 11.994 9.026 23.343 1.000 24.89 ATOM 2108 CB ASP A 279 13.099 8.159 22.746 1.000 30.17 ATOM 2109 CG ASP A 279 12.727 7.306 21.558 1.000 30.34 ATOM 2110 OD1 ASP A 279 12.077 7.787 20.605 1.000 26.50 ATOM 2111 OD2 ASP A 279 13.096 6.106 21.539 1.000 33.56 ATOM 2112 CC ASP A 279 11.131 8.228 24.309 1.000 19.27 ATOM 2113 O ASP A 279 11.131 8.228 24.309 1.000 19.27 ATOM 2113 O ASP A 279 10.059 7.720 23.981 1.000 23.16 ATOM 2114 N LEU A 280 11.627 8.121 25.541 1.000 17.51 ATOM 2115 CA LEU A 280 10.848 7.371 26.523 1.000 25.22 ATOM 2116 CB LEU A 280 11.578 7.273 27.857 1.000 22.56 ATOM 2117 CG LEU A 280 11.578 7.273 27.857 1.000 22.56 ATOM 2118 CD1 LEU A 280 13.309 6.169 29.294 1.000 16.61 ATOM 2119 CD2 LEU A 280 13.309 6.169 29.294 1.000 16.61 ATOM 2120 C LEU A 280 12.998 5.407 26.702 1.000 28.43 ATOM 2121 O LEU A 280 9.475 8.027 26.702 1.000 28.43 ATOM 2121 O LEU A 280 8.472 7.315 26.678 1.000 27.78 ATOM 2122 N ARG A 281 9.480 9.335 26.877 1.000 27.78 ATOM 2122 CG ARG A 281 8.364 10.230 27.097 1.000 27.78 ATOM 2123 CA ARG A 281 8.364 10.230 27.097 1.000 27.59 ATOM 2124 CB ARG A 281 8.840 11.690 27.129 1.000 27.59 ATOM 2125 CG ARG A 281 8.840 11.690 27.129 1.000 27.59 ATOM 2125 CG ARG A 281 8.840 11.690 27.129 1.000 35.06 ATOM 2125 CG ARG A 281 8.645 11.966 29.597 1.000 33.64 ATOM 2126 CD ARG A 281 8.645 11.966 29.597 1.000 36.75 ATOM 2128 CZ ARG A 281 9.595 12.376 30.831 1.000 36.75 ATOM 2128 CZ ARG A 281 9.556 13.626 31.204 1.000 40.89 ATOM 2129 NH1 ARG A 281 9.556 13.626 31.204 1.000 40.89 ATOM 2129 NH1 ARG A 281 9.556 13.626 31.204 1.000 40.89 ATOM 2129 NH1 ARG A 281 9.556 13.626 31.204 1.000 40.89 ATOM 2129 NH1 ARG A 281 9.556 13.626 31.204 1.000 40.89 ATOM 2130 NH2 ARG A 281 9.556 13.626 31.204 1.000 40.89	MOTA	2104	С	HIS	Α	278	11.838	11.214	24.370	1.000	23.01
ATOM 2107 CA ASP A 279 11.994 9.026 23.343 1.000 24.89 ATOM 2108 CB ASP A 279 13.099 8.159 22.746 1.000 30.17 ATOM 2109 CG ASP A 279 12.727 7.306 21.558 1.000 30.34 ATOM 2110 OD1 ASP A 279 12.077 7.787 20.605 1.000 26.50 ATOM 2111 OD2 ASP A 279 13.096 6.106 21.539 1.000 33.56 ATOM 2112 C ASP A 279 11.131 8.228 24.309 1.000 19.27 ATOM 2113 O ASP A 279 10.059 7.720 23.981 1.000 23.16 ATOM 2114 N LEU A 280 11.627 8.121 25.541 1.000 17.51 ATOM 2115 CA LEU A 280 10.848 7.371 26.523 1.000 25.22 ATOM 2116 CB LEU A 280 11.578 7.273 27.857 1.000 22.56 ATOM 2117 CG LEU A 280 11.578 7.273 27.857 1.000 22.56 ATOM 2118 CD1 LEU A 280 12.948 6.595 27.878 1.000 30.97 ATOM 2118 CD1 LEU A 280 12.948 6.595 27.878 1.000 30.97 ATOM 2120 C LEU A 280 12.998 5.407 26.930 1.000 39.44 ATOM 2120 C LEU A 280 9.475 8.027 26.702 1.000 28.43 ATOM 2121 O LEU A 280 8.472 7.315 26.678 1.000 19.82 ATOM 2122 N ARG A 281 9.480 9.335 26.877 1.000 27.78 ATOM 2123 CA ARG A 281 9.480 9.335 26.877 1.000 27.78 ATOM 2123 CA ARG A 281 8.364 10.230 27.097 1.000 26.26 ATOM 2124 CB ARG A 281 8.364 10.230 27.097 1.000 26.26 ATOM 2125 CG ARG A 281 8.840 11.690 27.129 1.000 27.59 ATOM 2125 CG ARG A 281 8.840 11.690 27.129 1.000 35.06 ATOM 2126 CD ARG A 281 9.597 12.025 28.413 1.000 35.06 ATOM 2127 NE ARG A 281 9.597 12.025 28.413 1.000 35.06 ATOM 2128 CZ ARG A 281 9.295 12.376 30.831 1.000 35.06 ATOM 2127 NE ARG A 281 9.295 12.376 30.831 1.000 35.06 ATOM 2128 CZ ARG A 281 9.295 12.376 30.831 1.000 36.75 ATOM 2128 CZ ARG A 281 9.295 12.376 30.831 1.000 36.75 ATOM 2129 NH1 ARG A 281 9.596 13.626 31.204 1.000 40.89 ATOM 2129 NH1 ARG A 281 9.596 13.626 31.204 1.000 40.89 ATOM 2129 NH1 ARG A 281 9.596 13.626 31.204 1.000 40.89 ATOM 2129 NH1 ARG A 281 9.596 13.626 31.204 1.000 40.89 ATOM 2120 NH2 ARG A 281 9.596 13.626 31.204 1.000 40.89 ATOM 2120 NH2 ARG A 281 9.596 13.626 31.204 1.000 40.89	ATOM	2105	0	HIS	Α	278	10.650	11.288	24.068	1.000	25.09
ATOM 2107 CA ASP A 279 11.994 9.026 23.343 1.000 24.89 ATOM 2108 CB ASP A 279 13.099 8.159 22.746 1.000 30.17 ATOM 2109 CG ASP A 279 12.727 7.306 21.558 1.000 30.34 ATOM 2110 OD1 ASP A 279 12.077 7.787 20.605 1.000 26.50 ATOM 2111 OD2 ASP A 279 13.096 6.106 21.539 1.000 33.56 ATOM 2112 C ASP A 279 11.131 8.228 24.309 1.000 19.27 ATOM 2113 O ASP A 279 10.059 7.720 23.981 1.000 23.16 ATOM 2114 N LEU A 280 11.627 8.121 25.541 1.000 17.51 ATOM 2115 CA LEU A 280 10.848 7.371 26.523 1.000 25.22 ATOM 2116 CB LEU A 280 11.578 7.273 27.857 1.000 22.56 ATOM 2117 CG LEU A 280 11.578 7.273 27.857 1.000 22.56 ATOM 2118 CD1 LEU A 280 12.948 6.595 27.878 1.000 30.97 ATOM 2118 CD1 LEU A 280 13.309 6.169 29.294 1.000 16.61 ATOM 2120 C LEU A 280 12.998 5.407 26.930 1.000 39.44 ATOM 2120 C LEU A 280 9.475 8.027 26.702 1.000 28.43 ATOM 2121 O LEU A 280 8.472 7.315 26.678 1.000 19.82 ATOM 2122 N ARG A 281 9.480 9.335 26.877 1.000 27.78 ATOM 2123 CA ARG A 281 8.840 10.230 27.097 1.000 26.26 ATOM 2124 CB ARG A 281 8.840 11.690 27.129 1.000 27.59 ATOM 2125 CG ARG A 281 8.840 11.690 27.129 1.000 27.59 ATOM 2125 CG ARG A 281 8.840 11.690 27.129 1.000 35.06 ATOM 2126 CD ARG A 281 8.840 11.690 27.129 1.000 35.06 ATOM 2126 CD ARG A 281 9.597 12.025 28.413 1.000 35.06 ATOM 2127 NE ARG A 281 9.597 12.025 28.413 1.000 35.06 ATOM 2128 CZ ARG A 281 9.295 12.376 30.831 1.000 35.06 ATOM 2128 CZ ARG A 281 9.295 12.376 30.831 1.000 35.06 ATOM 2128 CZ ARG A 281 9.295 12.376 30.831 1.000 35.06 ATOM 2128 CZ ARG A 281 9.295 12.376 30.831 1.000 35.06 ATOM 2129 NH1 ARG A 281 9.596 13.626 31.204 1.000 40.89 ATOM 2129 NH1 ARG A 281 9.596 13.626 31.204 1.000 40.89 ATOM 2129 NH1 ARG A 281 9.596 13.626 31.204 1.000 40.89 ATOM 2129 NH1 ARG A 281 9.596 13.626 31.204 1.000 40.89 ATOM 2130 NH2 ARG A 281 9.596 13.626 31.204 1.000 40.89 ATOM 2130 NH2 ARG A 281 9.596 13.626 31.204 1.000 40.89	ATOM	2106	N	ASP	Α	279	12.571	10.160	24.059	1.000	20.73
ATOM 2108 CB ASP A 279 13.099 8.159 22.746 1.000 30.17 ATOM 2109 CG ASP A 279 12.727 7.306 21.558 1.000 30.34 ATOM 2110 OD1 ASP A 279 12.077 7.787 20.605 1.000 26.50 ATOM 2111 OD2 ASP A 279 13.096 6.106 21.539 1.000 33.56 ATOM 2112 C ASP A 279 11.131 8.228 24.309 1.000 19.27 ATOM 2113 O ASP A 279 10.059 7.720 23.981 1.000 23.16 ATOM 2114 N LEU A 280 11.627 8.121 25.541 1.000 17.51 ATOM 2115 CA LEU A 280 10.848 7.371 26.523 1.000 25.22 ATOM 2116 CB LEU A 280 11.578 7.273 27.857 1.000 22.56 ATOM 2117 CG LEU A 280 12.948 6.595 27.878 1.000 30.97 ATOM 2118 CD1 LEU A 280 13.309 6.169 29.294 1.000 16.61 ATOM 2119 CD2 LEU A 280 12.998 5.407 26.930 1.000 39.44 ATOM 2120 C LEU A 280 9.475 8.027 26.702 1.000 28.43 ATOM 2121 O LEU A 280 8.472 7.315 26.678 1.000 19.82 ATOM 2122 N ARG A 281 9.480 9.335 26.877 1.000 27.78 ATOM 2123 CA ARG A 281 8.364 10.230 27.097 1.000 27.59 ATOM 2124 CB ARG A 281 8.364 10.230 27.097 1.000 27.59 ATOM 2124 CB ARG A 281 8.364 10.230 27.097 1.000 27.59 ATOM 2125 CG ARG A 281 8.840 11.690 27.129 1.000 27.59 ATOM 2126 CD ARG A 281 8.840 11.690 27.129 1.000 27.59 ATOM 2126 CD ARG A 281 8.840 11.690 27.129 1.000 27.59 ATOM 2126 CD ARG A 281 9.597 12.025 28.413 1.000 35.06 ATOM 2126 CD ARG A 281 9.597 12.025 28.413 1.000 33.64 ATOM 2127 NE ARG A 281 9.597 12.025 28.413 1.000 36.75 ATOM 2128 CZ ARG A 281 9.597 12.025 28.413 1.000 36.75 ATOM 2128 CZ ARG A 281 9.596 13.626 31.204 1.000 40.89 ATOM 2129 NH1 ARG A 281 9.596 13.626 31.204 1.000 40.89 ATOM 2129 NH1 ARG A 281 9.596 13.626 31.204 1.000 40.89 ATOM 2129 NH1 ARG A 281 9.596 13.626 31.204 1.000 40.89		2107	CA	ASP	Α	279	11.994	9.026	23.343	1.000	24.89
ATOM 2110 OD1 ASP A 279 12.727 7.306 21.558 1.000 30.34 ATOM 2111 OD2 ASP A 279 13.096 6.106 21.539 1.000 33.56 ATOM 2112 C ASP A 279 11.131 8.228 24.309 1.000 19.27 ATOM 2113 O ASP A 279 10.059 7.720 23.981 1.000 23.16 ATOM 2114 N LEU A 280 11.627 8.121 25.541 1.000 17.51 ATOM 2115 CA LEU A 280 10.848 7.371 26.523 1.000 25.22 ATOM 2116 CB LEU A 280 11.578 7.273 27.857 1.000 22.56 ATOM 2117 CG LEU A 280 12.948 6.595 27.878 1.000 30.97 ATOM 2118 CD1 LEU A 280 13.309 6.169 29.294 1.000 16.61 ATOM 2119 CD2 LEU A 280 12.998 5.407 26.930 1.000 39.44 ATOM 2120 C LEU A 280 9.475 8.027 26.702 1.000 28.43 ATOM 2121 O LEU A 280 8.472 7.315 26.678 1.000 27.78 ATOM 2122 N ARG A 281 9.480 9.335 26.877 1.000 27.78 ATOM 2122 C ARG A 281 8.364 10.230 27.097 1.000 27.78 ATOM 2123 CA ARG A 281 8.364 10.230 27.097 1.000 27.78 ATOM 2125 CG ARG A 281 8.364 10.230 27.097 1.000 27.59 ATOM 2125 CG ARG A 281 8.840 11.690 27.129 1.000 35.06 ATOM 2127 NE ARG A 281 8.645 11.966 29.597 1.000 33.64 ATOM 2127 NE ARG A 281 9.597 12.025 28.413 1.000 36.75 ATOM 2128 CZ ARG A 281 9.597 12.025 28.413 1.000 36.75 ATOM 2128 CZ ARG A 281 9.596 13.626 31.204 1.000 40.89 ATOM 2129 NH1 ARG A 281 9.526 13.626 31.204 1.000 40.89 ATOM 2129 NH1 ARG A 281 9.526 13.626 31.204 1.000 32.39 ATOM 2129 NH1 ARG A 281 9.526 13.626 31.204 1.000 40.89		2108	CB				13.099	8.159	22.746	1.000	30.17
ATOM 2111 OD2 ASP A 279 13.096 6.106 21.539 1.000 26.50 ATOM 2112 C ASP A 279 11.131 8.228 24.309 1.000 33.56 ATOM 2113 O ASP A 279 11.131 8.228 24.309 1.000 19.27 ATOM 2113 O ASP A 279 10.059 7.720 23.981 1.000 23.16 ATOM 2114 N LEU A 280 11.627 8.121 25.541 1.000 17.51 ATOM 2115 CA LEU A 280 10.848 7.371 26.523 1.000 25.22 ATOM 2116 CB LEU A 280 11.578 7.273 27.857 1.000 22.56 ATOM 2117 CG LEU A 280 12.948 6.595 27.878 1.000 30.97 ATOM 2118 CD1 LEU A 280 13.309 6.169 29.294 1.000 16.61 ATOM 2119 CD2 LEU A 280 12.998 5.407 26.930 1.000 39.44 ATOM 2120 C LEU A 280 8.472 7.315 26.678 1.000 28.43 ATOM 2121 O LEU A 280 8.472 7.315 26.678 1.000 27.78 ATOM 2123 CA ARG A 281 9.480 9.335 26.877 1.000 27.78 ATOM 2123 CA ARG A 281 8.364 10.230 27.097 1.000 27.78 ATOM 2124 CB ARG A 281 8.364 10.230 27.097 1.000 27.78 ATOM 2125 CG ARG A 281 8.840 11.690 27.129 1.000 27.59 ATOM 2125 CG ARG A 281 9.597 12.025 28.413 1.000 35.06 ATOM 2127 NE ARG A 281 9.597 12.025 28.413 1.000 35.06 ATOM 2128 CZ ARG A 281 9.597 12.025 28.413 1.000 35.06 ATOM 2128 CZ ARG A 281 9.597 12.025 28.413 1.000 35.06 ATOM 2128 CZ ARG A 281 9.597 12.025 28.413 1.000 35.06 ATOM 2128 CZ ARG A 281 9.595 12.376 30.831 1.000 35.06 ATOM 2128 CZ ARG A 281 9.595 12.376 30.831 1.000 36.75 ATOM 2129 NH1 ARG A 281 9.596 13.626 31.204 1.000 40.89 ATOM 2129 NH1 ARG A 281 9.596 13.626 31.204 1.000 40.89 ATOM 2129 NH1 ARG A 281 9.596 13.626 31.204 1.000 40.89											30.34
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	MOTA	2129	NH1	ARG	Α	281	9.161	14.636			
ATOM 2131 C ARG A 281 7.302 10.096 26.018 1.000 19.40	MOTA	2130	NH2	ARG	Α	281	10.132	13.874	32.361	1.000	61.48
	MOTA	2131	С	ARG	A	281	7.302	10.096	26.018	1.000	19.40

FIGURE 47

ATOM	2132	0	ARG	Α	281	6.104	10.236	26.254	1.000	20.20
ATOM	2133	N	LEU	Α	282	7.773	9.823	24.805	1.000	20.07
ATOM	2134	CA	LEU	Α	282	6.823	9.651	23.711	1.000	23.11
ATOM	2135	СВ	LEU			7.523	9.589	22.353	1.000	17.59
ATOM	2136	CG	LEU			7.893	10.913	21.688	1.000	
ATOM	2137	CD1	LEU			8.800	10.679	20.489		27.56
ATOM	2138	CD2	LEU			6.660	11.688	21.243	1.000	
		C	LEU			5.974	8.404	23.913	1.000	
ATOM	2139		LEU			4.880		23.352	1.000	
ATOM	2140	0					8.342		1.000	
ATOM	2141	N	HIS			6.430	7.412	24.678		
ATOM	2142	CA	HIS			5.698	6.144	24.667	1.000	
ATOM	2143	СВ	HIS			6.688	5.008		1.000	
ATOM	2144	CG	HIS			7.263	5.215	22.965	1.000	
ATOM	2145		HIS			6.742	4.619		1.000	
ATOM	2146	CE1	HIS			7.436	4.985	20.775		
ATOM	2147	NE2	HIS	A	283	8.386	5.808		1.000	
ATOM	2148	CD2	HIS	A	283	8.300	5.974	22.536	1.000	21.10
ATOM	2149	С	HIS	Α	283	4.956	5.861	25.961	1.000	17.31
ATOM	2150	0	HIS	Α	283	4.101	4.976	26.006	1.000	20.69
ATOM	2151	N	ARG	Α	284	5.262	6.606	27.011	1.000	16.92
ATOM	2152	CA	ARG	Α	284	4.594	6.512	28.296	1.000	15.56
ATOM	2153	CB	ARG	Α	284	5.038	5.279	29.091	1.000	19.52
ATOM	2154	CG	ARG			4.214	5.010	30.355	1.000	16.19
ATOM	2155	CD	ARG			4.569	3.660	30.954	1.000	
ATOM	2156	NE	ARG			4.009	3.428		1.000	
ATOM	2157	CZ	ARG			2.892	2.731		1.000	
ATOM	2158	NH1	ARG			2.214	2.207	31.475	1.000	
ATOM	2159	NH2	ARG			2.439	2.553	33.726	1.000	
ATOM	2160	C	ARG			4.845	7.774	29.119		
		0	ARG			5.941	8.327	29.076	1.000	
ATOM	2161		VAL			3.834	8.221	29.846	1.000	
ATOM	2162	N				3.912	9.415	30.685	1.000	
ATOM	2163	CA	VAL						1.000	
ATOM	2164	CB	VAL			2.507	9.771	31.215		
ATOM	2165	CG1	VAL			1.981	8.686	32.152	1.000	
ATOM	2166	CG2	VAL			2.503	11.126	31.909	1.000	
ATOM	2167	C	VAL			4.917	9.216	31.814	1.000	
ATOM	2168	0	VAL			5.153	8.085	32.242	1.000	
MOTA	2169	N	HIS			5.510	10.296	32.281	1.000	
MOTA	2170	CA	HIS			6.440	10.404		1.000	29.32
MOTA	2171	СВ	HIS			5.744	10.052	34.718		
MOTA	2172	CG	HIS	A	286	4.476	10.821	34.904		
MOTA	2173	ND1	HIS	A	286	4.430	12.188	34.769		
ATOM	2174	CE1	HIS	Α	286	3.197	12.615		1.000	
ATOM	2175	NE2	HIS	Α	286	2.439	11.567	35.244	1.000	48.04
ATOM	2176	CD2	HIS	Α	286	3.216	10.433	35.200	1.000	47.11
MOTA	2177	С	HIS			7.669	9.521	33.267	1.000	24.27
MOTA	2178	0	HIS			8.292	9.259		1.000	39.87
ATOM	2179	N	MET			8.054	9.038	32.087	1.000	
ATOM	2180	CA	MET			9.326	8.294	32.047	1.000	
ATOM	2181	СВ	MET			9.579	7.694	30.679		
ATOM	2182	CG	MET			8.566	6.647	30.239		
ATOM	2183	SD	MET			8.699	5.134	31.234		
111 011	2100				20.	3.333	0.101			

ATOM	2184	CE	MET	Α	287	7.526	5.570	32.521	1.000	32.04
ATOM	2185	С	MET	Α	287	10.457	9.247	32.459	1.000	32.08
ATOM	2186	0	MET	Α	287	10.732	10.211	31.741	1.000	32.41
ATOM	2187	N	VAL	Α	288	11.071	8.981	33.599	1.000	29.73
ATOM	2188	CA	VAL	Α	288	12.024	9.837	34.294	1.000	22.00
ATOM	2189	CB	VAL	Α	288	13.229	10.233	33.436	1.000	21.06
ATOM	2190	CG1	VAL	Α	288	14.167	11.132	34.232	1.000	28.71
ATOM	2191	CG2	VAL	Α	288	13.961	8.986	32.952	1.000	15.73
ATOM	2192	C	VAL	Α	288	11.269	11.073	34.787	1.000	30.61
ATOM	2193	0	VAL	Α	288	11.226	12.112	34.132	1.000	31.06
ATOM	2194	N	GLN	Α	289	10.675	10.871	35.957	1.000	23.90
ATOM	2195	CA	GLN	Α	289	9.626	11.709	36.494	1.000	28.48
ATOM	2196	CB	GLN	Α	289	8.735	10.869	37.427	1.000	27.94
ATOM	2197	CG	GLN	Α	289	7.406	11.535	37.748	1.000	34.50
ATOM	2198	CD	GLN	Α	289	6.481	10.661	38.562	1.000	30.01
ATOM	2199	OE1	GLN	Α	289	6.907	9.646	39.112	1.000	45.90
ATOM	2200	NE2	GLN	Α	289	5.209	11.026	38.655	1.000	37.56
ATOM	2201	С	GLN	Α	289	10.123	12.924	37.258	1.000	36.20
MOTA	2202	0	GLN	Α	289	9.316	13.811	37.536	1.000	32.67
ATOM	2203	N	THR	Α	290	11.402	12.994	37.619	1.000	33.43
ATOM	2204	CA	THR	Α	290	11.857	14.147	38.382	1.000	32.24
ATOM	2205	CB	THR	Α	290	12.078	13.862	39.878	1.000	27.63
ATOM	2206	OG1	THR	Α	290	13.285	13.106	40.043	1.000	42.04
ATOM	2207	CG2	THR	Α	290	10.951	13.021	40.456	1.000	35.76
MOTA	2208	С	THR	Α	290	13.174	14.677	37.822	1.000	42.79
ATOM	2209	0	THR	A	290	13.921	13.935	37.191	1.000	31.85
MOTA	2210	N	GLU	Α	291	13.421	15.963	38.072	1.000	41.73
ATOM	2211	CA	GLU	Α	291	14.707	16.538	37.692	1.000	33.95
ATOM	2212	CB	GLU	Α	291	14.749	18.032	37.980		
ATOM	2213	CG	GLU	Α	291	16.167	18.595	38.042	1.000	51.27
ATOM	2214	CD	GLU	Α	291	16.146	20.001	38.627	1.000	50.92
MOTA	2215	OE1	GLU	Α	291	16.994	20.298	39.487	1.000	
ATOM	2216	OE2	GLU			15.255	20.769	38.205	1.000	
MOTA	2217	С	GLU			15.814	15.826	38.461		
ATOM	2218	0	GLU			16.890	15.581	37.921		
ATOM	2219	N	CYS			15.513	15.486	39.714		
ATOM	2220	CA	CYS			16.460	14.750	40.550		
ATOM	2221	CB	CYS			15.840	14.409	41.899		
MOTA	2222	SG	CYS			16.996		43.050		
ATOM	2223	C	CYS			16.908	13.477	39.849		
ATOM	2224	0			292	18.079	13.092	39.819		
MOTA	2225	N			293	15.924	12.801	39.246		
ATOM	2226	CA	GLN			16.294	11.621	38.459		
ATOM	2227	CB	GLN			15.030	10.845	38.087		
ATOM	2228	CG	GLN			14.509	10.017	39.250		
MOTA	2229	CD	GLN			13.034	9.698	39.089		
MOTA	2230		GLN			12.412	10.175	38.141		
ATOM	2231		GLN			12.503	8.909	40.009		
ATOM	2232	C	GLN			17.097	12.037	37.235		
ATOM	2233	0	GLN			18.056	11.373	36.831		
MOTA	2234	N	TYR			16.706	13.165	36.640		
ATOM	2235	CA	TYR	A	294	17.399	13.690	35.469	1.000	28.60

ATOM	2236	CB	TYR	A	294	16.667	14.921	34.934	1.000	26.37
ATOM	2237	CG	TYR	. A	294	17.095	15.300	33.540	1.000	27.25
ATOM	2238	CD1	TYR	A	294	16.934	14.379	32.509	1.000	37.08
ATOM	2239	CE1	TYR	A	294	17.311	14.682	31.218	1.000	37.31
ATOM	2240	CZ			294	17.861	15.920	30.951		39.27
ATOM	2241	ОН			294	18.234	16.214	29.659		
ATOM	2242	CE2			294	18.030	16.846	31.957		36.04
ATOM	2243	CD2			294	17.648	16.535	33.252		
ATOM	2244	C			294	18.844	14.045	35.798		
ATOM	2245	0			294		13.828	35.790		34.04
					295	19.783				
ATOM	2246	N				19.062	14.611	36.978		22.51
ATOM	2247	CA			295	20.439	14.894	37.384		
ATOM	2248	CB			295	20.466	15.733	38.675		
ATOM	2249	CG1			295	21.858	15.698	39.282		
ATOM	2250		VAL			20.006	17.152	38.372		
ATOM	2251	С			295	21.228	13.612	37.608		
ATOM	2252	0			295	22.364	13.460	37.153	1.000	34.90
MOTA	2253	N	TYR	Α	296	20.606	12.678	38.319	1.000	26.27
MOTA	2254	CA	TYR	Α	296	21.232	11.378	38.578	1.000	29.32
MOTA	2255	CB	TYR	Α	296	20.229	10.492	39.314	1.000	28.67
MOTA	2256	CG	TYR	Α	296	20.761	9.196	39.861	1.000	35.66
ATOM	2257	CD1	TYR	Α	296	21.638	9.150	40.937	1.000	33.98
ATOM	2258	CE1	TYR	Α	296	22.119	7.951	41.431		32.73
ATOM	2259	CZ			296	21.722	6.770	40.842		
ATOM	2260	ОН			296	22.187	5.561	41.318		
ATOM	2261	CE2			296	20.853	6.786	39.775		
ATOM	2262	CD2			296	20.376	7.987	39.290		37.49
ATOM	2263	C			296	21.742	10.739	37.295		27.66
ATOM	2264	0			296	22.831	10.150	37.266		
ATOM	2265	N			297	21.015	10.130	36.184		
ATOM	2266	CA			297	21.497	10.174	34.968	1.000	
ATOM	2267	CB			297	20.459	10.174	33.846		
ATOM	2268	CG			297	19.141	9.462		1.000	
	2269		LEU				9.734	33.046		
ATOM			LEU			18.119				
MOTA	2270					19.357	7.966	34.270		
ATOM	2271	C			297	22.795	10.820		1.000	
ATOM	2272	0			297	23.704	10.129	34.036		
ATOM	2273	N	HIS			22.879	12.139	34.606		
ATOM	2274	CA			298		12.850	34.291		
ATOM	2275	CB	HIS			23.871	14.358	34.261		
ATOM	2276	CG	HIS			22.964	14.791	33.153		
MOTA	2277		HIS			21.598	14.646	33.222		
MOTA	2278		HIS			21.052	15.109	32.108	1.000	37.29
MOTA	2279		HIS			22.021	15.545	31.322		
MOTA	2280	CD2	HIS			23.228	15.356	31.954	1.000	36.75
MOTA	2281	С	HIS	Α	298	25.202	12.524	35.310	1.000	29.73
MOTA	2282	0	HIS	Α	298	26.358	12.314	34.945	1.000	36.94
ATOM	2283	N	${\tt GLN}$	A	299	24.848	12.470	36.599		
MOTA	2284	CA	GLN			25.880	12.104	37.579		
ATOM	2285	СВ	GLN			25.339	12.184	39.001		
ATOM	2286	CG	GLN			24.925	13.584	39.424		
ATOM	2287	CD	GLN			24.110	13.598	40.702		
										

ATOM	2288	OE1	GLN A	299	23.289	12.715	40.953	1.000	45.00
MOTA	2289	NE2	GLN A	299	24.315	14.612	41.540	1.000	34.03
ATOM	2290	С	GLN A	299	26.425	10.712	37.267	1.000	42.34
ATOM	2291	0	GLN A	299	27.602	10.424	37.494	1.000	36.30
ATOM	2292	N	CYS A		25.565	9.845	36.732		
ATOM	2293	CA	CYS A		25.967	8.486	36.389		
ATOM	2294	CB	CYS A		24.743	7.622	36.058		
ATOM	2295	SG	CYS A		23.923	6.884	37.493		
ATOM	2296	C	CYS A		26.937	8.476	35.217		
ATOM	2297	0	CYS A		27.937	7.754	35.217		
		N	VAL A						
ATOM	2298				26.651	9.279	34.193		
ATOM	2299	CA	VAL A		27.534	9.265	33.021	1.000	48.01
ATOM	2300	CB	VAL A		26.875	9.944	31.809		44.81
ATOM	2301	CG1	VAL A		27.860	10.046	30.650	1.000	34.28
MOTA	2302	CG2	VAL A		25.626	9.187	31.372	1.000	
MOTA	2303	С	VAL A		28.865	9.935	33.351	1.000	
MOTA	2304	0	VAL A		29.937	9.511	32.918	1.000	
MOTA	2305	N	ARG A	302	28.808	11.008	34.140	1.000	49.27
MOTA	2306	CA	ARG A	302	30.013	11.730	34.519	1.000	45.50
MOTA	2307	CB	ARG A	302	29.670	12.984	35.328	1.000	43.11
ATOM	2308	CG	ARG A	302	30.898	13.642	35.952	1.000	44.65
MOTA	2309	CD	ARG A	302	30.517	14.426	37.200	1.000	42.63
ATOM	2310	NE	ARG A	302	30.239	13.510	38.308	1.000	45.99
ATOM	2311	CZ	ARG A	302	29.458	13.803	39.336	1.000	50.62
MOTA	2312	NH1	ARG A	302	28.871	14.992	39.398	1.000	51.05
ATOM	2313	NH2	ARG A		29.264	12.909	40.297	1.000	48.05
ATOM	2314	С	ARG A		30.955	10.852	35.332	1.000	44.54
ATOM	2315	0	ARG A		32.162	10.831	35.095	1.000	56.02
ATOM	2316	N	ASP A		30.409	10.124	36.305		44.54
ATOM	2317	CA	ASP A		31.292	9.270	37.105	1.000	
ATOM	2318	CB	ASP A		30.542	8.705	38.312		34.49
ATOM	2319	CG	ASP A		30.053	9.823	39.215	1.000	37.57
ATOM	2320	OD1	ASP A		30.540	10.963	39.057	1.000	
ATOM	2321	OD2	ASP A		29.183	9.594	40.078	1.000	
ATOM	2322	C		303	31.889	8.163	36.248	1.000	
ATOM	2323	0	ASP A		33.015	7.724	36.489	1.000	
ATOM	2324	N	VAL A		31.151	7.703	35.241		50.71
ATOM	2325	CA	VAL A		31.668	6.631	34.389	1.000	
ATOM	2326	CB	VAL A		30.541	5.917	33.628		51.23
ATOM	2327		VAL A		30.871	5.761	32.150		
ATOM	2328 2329		VAL A		30.277	4.561	34.263		
ATOM		C	VAL A		32.697	7.175	33.404		
ATOM	2330	0	VAL A		33.656	6.498	33.037		
ATOM	2331	N	LEU A		32.489	8.413	32.981		
MOTA	2332	CA	LEU A		33.442	9.091	32.106		
MOTA	2333	СВ	LEU A		32.783	10.338	31.507		
ATOM	2334	CG	LEU A		31.872	10.008	30.314		
MOTA	2335		LEU A		31.630	11.216	29.427		
MOTA	2336		LEU A		32.488	8.860	29.529		
ATOM	2337	С	LEU A		34.728	9.439	32.849		
MOTA	2338	0	LEU A		35.814	9.387	32.266		
ATOM	2339	N	ARG A	306	34.601	9.776	34.127	1.000	68.65

ATOM	2340	CA	ARG	Α	306	35.714	10.014	35.032 1.000 66.90
ATOM	2341	CB	ARG	Α	306	35.210	10.407	36.420 1.000 62.97
ATOM	2342	CG	ARG	Α	306	34.909	11.889	36.584 1.000 63.46
ATOM	2343	CD	ARG			34.233	12.132	37.927 1.000 63.67
ATOM	2344	NE	ARG			33.867	13.537	38.091 1.000 72.26
ATOM	2345	CZ	ARG			33.178	13.982	39.131 1.000 81.44
			ARG			32.786	13.132	40.074 1.000 88.77
ATOM	2346						15.266	39.234 1.000 94.65
ATOM	2347		ARG			32.874	8.773	35.157 1.000 69.05
ATOM	2348	C	ARG			36.601		
ATOM	2349	0	ARG			37.722	8.751	
ATOM	2350	N	ALA			36.073	7.760	35.834 1.000 70.13
MOTA	2351	CA	ALA			36.735	6.475	36.013 1.000 72.89
ATOM	2352	CB	ALA			35.766	5.449	36.576 1.000 79.56
MOTA	2353	С	ALA	Α	307	37.324	5.984	34.694 1.000 75.87
MOTA	2354	0	ALA	Α	307	38.449	5.491	34.642 1.000 86.48
ATOM	2355	N	ARG	Α	308	36.535	6.146	33.635 1.000 72.53
ATOM	2356	CA	ARG	Α	308	36.980	5.843	32.285 1.000 71.87
ATOM	2357	CB	ARG	Α	308	35.954	6.318	31.260 1.000 72.41
MOTA	2358	CG	ARG	Α	308	35.892	5.489	29.991 1.000 75.31
ATOM	2359	CD	ARG			34.468	5.480	29.453 1.000 81.76
ATOM	2360	NE	ARG			34.286	4.508	28.381 1.000 82.26
ATOM	2361	CZ	ARG			33.963	4.835	27.136 1.000 81.15
ATOM	2362		ARG			33.794	6.106	26.802 1.000 66.44
ATOM	2363		ARG			33.818	3.879	26.222 1.000 98.94
	2364	C	ARG			38.316	6.522	31.997 1.000 79.31
ATOM		0	ARG			39.323	6.227	32.636 1.000 93.34
MOTA	2365				309	38.277	7.433	31.039 1.000 83.39
MOTA	2366	N						30.626 1.000 85.77
ATOM	2367	CA			309	39.434	8.214	29.532 1.000 85.52
ATOM	2368	CB			309	39.029	9.196	
MOTA	2369	CG			309	37.652	8.903	28.934 1.000 85.90
MOTA	2370	CD			309	36.903	10.189	28.611 1.000 87.13
ATOM	2371	CE			309	37.828	11.241	28.041 1.000 90.18
MOTA	2372	NZ			309	37.294	11.834	26.782 1.000 95.87
ATOM	2373	С			309	40.045	8.948	31.819 1.000 88.05
MOTA	2374	0			309	39.829	10.143	32.007 1.000 83.82
MOTA	2375	N			310	40.812	8.199	32.602 1.000 91.25
ATOM	2376	CA	LEU	Α	310	41.488	8.642	33.803 1.000 89.65
ATOM	2377	CB	LEU	Α	310	40.575	8.511	35.031 1.000 89.61
ATOM	2378	CG			310	41.209	8.874	36.375 1.000 91.78
MOTA	2379	CD1	LEU	Α	310	41.928	10.213	36.280 1.000 97.42
ATOM	2380		LEU			40.167	8.896	37.476 1.000 97.23
ATOM	2381	С			310	42.772	7.848	34.034 1.000 88.08
ATOM	2382	0			310	42.708	6.719	34.516 1.000 91.11
ATOM	2383	N	LYS		19	45.803	11.373	51.943 1.000103.56
ATOM	2384	CA	LYS		19	45.533	10.011	51.483 1.000 77.94
ATOM	2385	CB	LYS		19	46.473	9.008	52.147 1.000 82.60
		CG	LYS		19	46.882	7.835	51.255 1.000 87.87
MOTA	2386				19	48.286	7.354	51.584 1.000 91.26
ATOM	2387	CD	LYS		19 19	49.120	7.334	50.329 1.000 90.51
ATOM	2388	CE	LYS					50.628 1.000 76.07
ATOM	2389	NZ	LYS		19	50.584	7.099	51.751 1.000 64.77
ATOM	2390	C	LYS		19	44.082	9.614	
MOTA	2391	0	LYS	В	19	43.153	10.321	51.368 1.000 54.90

ATOM	2392	N	THR	В	20	43.927	8.473	52.402	1.000	58.60
MOTA	2393	CA	THR	В	20	42.644	7.870	52.709	1.000	50.23
ATOM	2394	CB	THR	В	20	42.853	6.643	53.618	1.000	48.19
ATOM	2395	OG1	THR	В	20	41.626	6.256	54.241	1.000	67.26
MOTA	2396	CG2	THR	В	20	43.824	6.994	54.737	1.000	41.73
MOTA	2397	С	THR	В	20	41.695	8.862	53.376	1.000	54.14
MOTA	2398	0	THR	В	20	42.126	9.839	53.992	1.000	48.50
ATOM	2399	N	SER	В	21	40.407	8.579	53.235	1.000	57.41
MOTA	2400	CA	SER	В	21	39.308	9.335	53.812	1.000	54.62
ATOM	2401	CB	SER	В	21	39.008	10.562	52.951	1.000	57.73
ATOM	2402	OG	SER	В	21	38.000	10.316	51.989	1.000	61.68
ATOM	2403	С	SER	В	21	38.071	8.452	53.980	1.000	51.70
MOTA	2404	0	SER	В	21	38.044	7.306	53.523	1.000	45.33
ATOM	2405	N	CYS	В	22	37.038	8.961	54.640	1.000	48.54
ATOM	2406	CA	CYS	В	22	35.824	8.195	54.908	1.000	41.60
ATOM	2407	CB	CYS	В	22	35.884	7.524	56.281	1.000	46.98
ATOM	2408	SG	CYS	В	22	36.813	5.974	56.365	1.000	93.30
MOTA	2409	С	CYS	В	22	34.590	9.082	54.851	1.000	38.62
MOTA	2410	0	CYS	В	22	34.027	9.443	55.887	1.000	49.86
ATOM	2411	N	PRO	В	23	34.143	9.447	53.659	1.000	47.14
ATOM	2412	CA	PRO	В	23	32.954	10.304	53.566	1.000	56.35
ATOM	2413	СВ	PRO	В	23	32.868	10.652	52.085	1.000	55.14
ATOM	2414	CG	PRO	В	23	34.157	10.216	51.473	1.000	48.26
ATOM	2415	CD	PRO	В	23	34.680	9.104	52.334	1.000	45.23
ATOM	2416	С	PRO	В	23	31.720	9.529	54.021	1.000	59.08
MOTA	2417	0	PRO	В	23	31.566	8.358	53.677	1.000	63.26
ATOM	2418	N	ILE	В	24	30.856	10.175	54.800	1.000	57.72
MOTA	2419	CA	ILE	В	24	29.645	9.515	55.274	1.000	57.66
MOTA	2420	CB	ILE	В	24	29.730	9.129	56.761	1.000	61.40
MOTA	2421	CG1	ILE	В	24	30.656	7.951	57.048	1.000	63.99
ATOM	2422	CD1	ILE	В	24	31.645	8.269	58.170	1.000	72.75
MOTA	2423	CG2	ILE	В	24	28.346	8.849	57.336	1.000	55.60
ATOM	2424	С	ILE	В	24	28.423	10.404	55.073	1.000	56.32
MOTA	2425	0	ILE	В	24	28.463	11.607	55.319	1.000	56.42
ATOM	2426	N	LYS	В	25	27.336	9.790	54.618	1.000	60.08
MOTA	2427	CA	LYS	В	25	26.083	10.506	54.431	1.000	69.15
ATOM	2428	CB	LYS	В	25	24.998	9.583	53.874	1.000	82.75
ATOM	2429	CG	LYS	В	25	25.033	9.350	52.369	1.000	85.99
MOTA	2430	CD	LYS	В	25	24.777	7.874	52.048	1.000	85.92
ATOM	2431	CE	LYS	В	25	26.083	7.172	51.689	1.000	85.44
ATOM	2432	NZ	LYS		25	26.510	7.499	50.285		
ATOM	2433	С	LYS	В	25	25.604	11.112	55.747	1.000	63.20
ATOM	2434	0	LYS	В	25	25.591	10.438	56.783		
ATOM	2435	N	ILE	В	26	25.195	12.378	55.680		
MOTA	2436	CA	ILE		26	24.670	13.059	56.860	1.000	
ATOM	2437	CB	ILE	В	26	24.575	14.581	56.678	1.000	
ATOM	2438	CG1	ILE		26	23.569	15.042		1.000	
ATOM	2439		ILE		26	23.370	16.547		1.000	
MOTA	2440		ILE		26	25.953	15.157	56.389		
ATOM	2441	С	ILE		26	23.291	12.498		1.000	
MOTA	2442	0	ILE		26	22.810	12.724	58.319		
ATOM	2443	N	ASN		27	22.730	11.784	56.260		

MOTA	2444	CA	ASN		27	21.489	11.049	56.299 1.000	
ATOM	2445	CB	ASN		27	21.008	10.743	54.876 1.000	
MOTA	2446	CG	ASN		27	20.656	12.000		65.31
ATOM	2447		ASN		27	20.305	11.913	52.930 1.000	
MOTA	2448		ASN		27	20.748	13.143	54.774 1.000	
ATOM	2449	С	ASN		27	21.632	9.724	57.040 1.000	
MOTA	2450	0	ASN		27	20.646	9.183	57.534 1.000	
ATOM	2451	N	GLN	В	28	22.856	9.217	57.094 1.000	
MOTA	2452	CA	GLN	В	28	23.130	7.930	57.717 1.000	
ATOM	2453	CB	GLN	В	28	23.761	6.988	56.678 1.000	
MOTA	2454	CG	GLN	В	28	24.000	5.578	57.192 1.000	
MOTA	2455	CD	GLN	В	28	22.771	4.698	57.075 1.000	
ATOM	2456	OE1	GLN	В	28	22.005	4.829	56.119 1.000	74.56
ATOM	2457	NE2	GLN	В	28	22.580	3.801	58.039 1.000	63.57
MOTA	2458	С	GLN	В	28	24.053	8.043	58.917 1.000	
ATOM	2459	0	GLN	В	28	24.358	7.034	59.556 1.000	
ATOM	2460	N	PHE	В	29	24.526	9.244	59.241 1.000	46.88
ATOM	2461	CA	PHE	В	29	25.544	9.393	60.273 1.000	36.76
MOTA	2462	CB	PHE	В	29	25.849	10.882	60.532 1.000	43.65
ATOM	2463	CG	PHE	В	29	27.092	11.033	61.384 1.000	41.38
ATOM	2464	CD1		В	29	28.348	10.939	60.813 1.000	39.51
ATOM	2465	CE1	PHE	В	29	29.493	11.073	61.579 1.000	39.09
ATOM	2466	CZ	PHE	В	29	29.383	11.303	62.933 1.000	38.33
ATOM	2467	CE2	PHE		29	28.131	11.392	63.518 1.000	42.37
ATOM	2468		PHE		29	26.995	11.257	62.747 1.000	38.83
MOTA	2469	C	PHE		29	25.186	8.747	61.601 1.000	37.74
ATOM	2470	Ō	PHE		29	26.032	8.087	62.213 1.000	
ATOM	2471	N	GLU		30	23.960	8.933	62.080 1.000	45.93
ATOM	2472	CA	GLU		30	23.554	8.292	63.331 1.000	
ATOM	2473	СВ	GLU		30	22.082	8.589		61.18
ATOM	2474	CG	GLU		30	21.655	8.277	65.041 1.000	72.30
ATOM	2475	CD	GLU		30	22.517	8.965	66.069 1.000	
MOTA	2476		GLU		30	23.748	8.742		104.41
ATOM	2477		GLU		30	21.962	9.740		90.78
ATOM	2478	C	GLU		30	23.801	6.785		53.76
ATOM	2479	Ö	GLU		30	24.396	6.207	64.208 1.000	
ATOM	2480	N	GLY		31	23.348	6.160	62.207 1.000	
ATOM	2481	CA	GLY		31	23.552	4.743	61.979 1.000	
ATOM	2482	C	GLY		31	25.024	4.352		42.21
MOTA	2483	0	GLY		31	25.429	3.569	62.841 1.000	
ATOM	2484	N	HIS		32	25.786	4.891	61.027 1.000	
ATOM	2485	CA	HIS		32	27.227	4.682	60.898 1.000	
ATOM	2486	CB	HIS		32	27.848	5.622	59.865 1.000	
	2487	CG	HIS		32	29.339	5.758	59.929 1.000	
MOTA			HIS		32	30.199	4.924	59.241 1.000	
MOTA	2488		HIS		32	31.451	5.291	59.477 1.000	
MOTA	2489		HIS		32	31.431	6.328	60.296 1.000	
MOTA	2490				32 32	30.140	6.650	60.236 1.000	
MOTA	2491		HIS				4.872	62.244 1.000	
ATOM	2492	C	HIS		32	27.916		62.710 1.000	
ATOM	2493	0	HIS		32	28.702	4.051	62.884 1.000	
ATOM	2494	N	PHE		33	27.608	6.001		
MOTA	2495	CA	PHE	В	33	28.186	6.230	64.209 1.000	40.00

ATOM 2496 CB PHE B 33											
ATOM 2498 CD1 PHE B 33	ATOM	2496	CB	PHE	В		27.794				
ATOM 2499 CE1 PHE B 33 30.180 7.856 67.635 1.000 34.17 ATOM 2500 CZ PHE B 33 29.502 8.729 68.464 1.000 39.16 ATOM 2501 CE2 PHE B 33 28.282 9.249 68.088 1.000 40.16 ATOM 2502 CD2 PHE B 33 27.742 5.122 65.157 1.000 49.56 ATOM 2503 C PHE B 33 27.742 5.122 65.157 1.000 49.56 ATOM 2504 O PHE B 33 27.742 5.122 65.157 1.000 39.50 ATOM 2505 N MET B 34 26.451 4.782 65.110 1.000 53.61 ATOM 2505 N MET B 34 25.979 3.673 65.946 1.000 51.72 ATOM 2507 CB MET B 34 224.456 3.545 65.882 1.000 51.72 ATOM 2508 CG MET B 34 221.751 2.817 66.063 1.000 51.72 ATOM 2509 SD MET B 34 221.721 2.817 66.063 1.000 52.01 ATOM 2510 C MET B 34 221.721 2.817 66.063 1.000 45.79 ATOM 2511 C MET B 34 221.721 2.817 66.063 1.000 52.01 ATOM 2512 O MET B 34 27.064 1.601 66.433 1.000 63.08 ATOM 2513 N LYS B 35 26.862 2.114 64.258 1.000 52.00 ATOM 2515 CB LYS B 35 27.554 0.889 63.905 1.000 72.40 ATOM 2516 CG LYS B 35 27.554 0.889 63.905 1.000 72.40 ATOM 2517 CB LYS B 35 26.633 1.515 61.614 1.000 66.12 ATOM 2518 CE LYS B 35 26.630 2.012 59.351 1.000 62.69 ATOM 2519 NZ LYS B 35 26.620 1.074 60.166 1.000 69.40 ATOM 2518 CB LYS B 35 26.520 1.074 60.166 1.000 69.40 ATOM 2519 NZ LYS B 35 26.520 1.074 60.166 1.000 69.40 ATOM 2510 C LYS B 35 26.520 1.074 60.166 1.000 69.40 ATOM 2510 C LYS B 35 26.520 1.074 60.166 1.000 69.40 ATOM 2510 C LYS B 35 26.520 1.074 60.166 1.000 69.40 ATOM 2520 N LEU B 36 32.434 4.056 63.557 1.000 62.69 ATOM 2521 C LYS B 35 26.520 1.074 60.166 1.000 69.40 ATOM 2522 N LEU B 36 32.434 4.056 63.557 1.000 64.67 ATOM 2525 CG LEU B 36 32.243 4.056 63.557 1.000 64.56 ATOM 2527 CD LYS B 35 26.520 1.074 60.566 1.000 69.40 ATOM 2528 CG LEU B 36 32.243 4.056 63.557 1.000 64.56 ATOM 2527 CD LYS B 36 32.243 4.056 63.557 1.000 66.67 ATOM 2528 CG LEU B 36 32.243 4.056 63.557 1.000 66.50 ATOM 2527 CD LYS B 36 32.243 4.056 63.85 1.000 61.24 ATOM 2528 CG LEU B 36 32.243 4.056 63.85 1.000 61.24 ATOM 2527 CD LEU B 36 32.243 4.056 63.85 1.000 61.24 ATOM 2528 CG LEU B 36 32.243 4.056 63.85 1.000 61.52 ATOM 2530 CG LEU B 36 32.243 4.056 63.85 1.000 61.52 ATOM	MOTA	2497	CG	PHE	В	33	28.411	8.010	66.024		
ATOM 2500 CZ PHE B 33	ATOM	2498	CD1	PHE	В	33	29.639	7.503	66.418	1.000	28.55
ATOM 2501 CE2 PHE B 33	ATOM	2499	CE1	PHE	В	33	30.180	7.856	67.635	1.000	34.17
ATOM 2503 C D2 PHE B 33	MOTA	2500	CZ	PHE	В	33	29.502	8.729	68.464	1.000	39.16
ATOM 2502 CD2 PHE B 33	ATOM	2501	CE2	PHE	В	33	28.282	9.249	68.088	1.000	40.43
ATOM 2504 C PHE B 33			CD2	PHE	В	33	27.743	8.885	66.871	1.000	46.28
ATOM 2505 N MET B 34 26.451 4.782 65.110 1.000 39.50 ATOM 2506 CA MET B 34 26.451 4.782 65.110 1.000 53.61 ATOM 2507 CB MET B 34 224.456 3.545 65.882 1.000 51.72 ATOM 2508 CG MET B 34 224.456 3.545 66.777 1.000 52.01 ATOM 2508 CG MET B 34 221.05 4.050 66.777 1.000 52.01 ATOM 2509 SD MET B 34 221.05 4.050 66.777 1.000 72.48 ATOM 2510 CE MET B 34 221.05 4.050 66.7305 1.000 45.79 ATOM 2511 C MET B 34 221.05 4.050 66.063 1.000 45.79 ATOM 2512 O MET B 34 221.721 2.817 66.063 1.000 63.08 ATOM 2512 O MET B 34 26.671 2.377 65.554 1.000 52.05 ATOM 2512 O MET B 34 26.671 2.377 65.554 1.000 52.05 ATOM 2512 O MET B 34 26.671 2.377 65.554 1.000 52.05 ATOM 2514 CA LYS B 35 26.862 2.114 64.258 1.000 52.00 ATOM 2515 CB LYS B 35 27.584 0.889 63.905 1.000 54.44 ATOM 2516 CG LYS B 35 27.584 0.889 63.905 1.000 54.44 ATOM 2517 CD LYS B 35 26.633 1.515 61.614 1.000 66.12 ATOM 2517 CD LYS B 35 26.639 2.012 59.351 1.000 62.69 ATOM 2518 CE LYS B 35 26.520 1.074 60.166 1.000 69.40 ATOM 2520 C LYS B 35 29.028 0.951 64.404 1.000 56.40 ATOM 2521 O LYS B 35 29.028 0.951 64.404 1.000 66.73 ATOM 2521 O LYS B 35 29.028 0.951 64.404 1.000 66.73 ATOM 2522 N LEU B 36 30.933 2.424 64.902 1.000 47.38 ATOM 2523 CA LEU B 36 30.933 2.424 64.902 1.000 65.01 ATOM 2524 CB LEU B 36 32.294 3.032 62.440 1.000 65.01 ATOM 2526 CD LEU B 36 32.294 3.032 62.440 1.000 65.61 ATOM 2527 CD LEU B 36 32.294 3.032 62.440 1.000 65.01 ATOM 2528 C LEU B 36 32.294 3.032 62.440 1.000 65.01 ATOM 2529 C LEU B 36 32.294 3.032 62.440 1.000 65.01 ATOM 2520 C LEU B 36 32.294 3.032 62.440 1.000 65.01 ATOM 2520 C LEU B 36 32.294 3.032 62.440 1.000 65.01 ATOM 2520 C LEU B 36 32.294 3.032 62.440 1.000 65.01 ATOM 2520 C LEU B 36 32.294 3.032 62.440 1.000 65.01 ATOM 2520 C LEU B 36 32.294 3.032 62.440 1.000 65.01 ATOM 2520 C LEU B 36 32.294 3.032 62.440 1.000 65.01 ATOM 2530 N GAN B 37 30.253 2.093 68.627 1.000 65.01 ATOM 2531 CA GLN B 37 30.253 2.093 68.627 1.000 65.01 ATOM 2532 CB GLN B 37 30.253 2.093 68.627 1.000 65.03 ATOM 2533 CG GLN B 37 30.253 6.326 6.349 70.000 61.52 ATOM 2536			С			33	27.742	5.122	65.157	1.000	49.56
ATOM 2506 N MET B 34			0				28.543	4.568	65.918	1.000	39.50
ATOM 2506 CA MET B 34									65.110	1.000	53.61
ATOM 2507 CB MET B 34									65.946	1.000	51.72
ATOM 2508 CG MET B 34											51.72
ATOM 2509 SD MET B 34											
ATOM 2510 CE MET B 34 21.721 2.817 66.063 1.000 45.79 ATOM 2511 C MET B 34 26.671 2.377 65.554 1.000 52.65 ATOM 2512 O MET B 34 27.064 1.601 66.433 1.000 52.65 ATOM 2513 N LYS B 35 26.862 2.114 64.258 1.000 52.00 ATOM 2513 N LYS B 35 27.584 0.889 63.905 1.000 54.31 ATOM 2515 CB LYS B 35 27.570 0.627 62.402 1.000 59.44 ATOM 2516 CG LYS B 35 26.520 1.074 60.166 1.000 69.40 ATOM 2517 CD LYS B 35 26.520 1.074 60.166 1.000 69.40 ATOM 2518 CE LYS B 35 25.639 2.012 59.351 1.000 62.69 ATOM 2519 NZ LYS B 35 26.251 2.293 58.019 1.000 48.67 ATOM 2520 C LYS B 35 26.251 2.293 58.019 1.000 48.67 ATOM 2520 C LYS B 35 29.028 0.951 64.404 1.000 56.64 ATOM 2520 C LYS B 35 29.028 0.951 64.404 1.000 56.64 ATOM 2523 CA LEU B 36 30.933 2.424 64.902 1.000 59.97 ATOM 2524 CB LEU B 36 30.933 2.424 64.902 1.000 59.97 ATOM 2525 CG LEU B 36 32.434 4.056 63.557 1.000 65.81 ATOM 2526 CDI LEU B 36 32.434 4.056 63.557 1.000 65.81 ATOM 2527 CD2 LEU B 36 32.294 3.032 62.440 1.000 65.86 ATOM 2527 CD2 LEU B 36 32.2431 4.056 63.557 1.000 65.81 ATOM 2528 C LEU B 36 32.434 4.056 63.557 1.000 65.81 ATOM 2529 C LEU B 36 32.2421 5.477 63.006 1.000 42.70 ATOM 2523 CA GLO B 36 32.421 5.477 63.006 1.000 42.70 ATOM 2523 CA LEU B 36 32.434 4.056 63.557 1.000 65.81 ATOM 2525 CD LEU B 36 32.421 5.477 63.006 1.000 42.70 ATOM 2525 CD LEU B 36 32.421 5.477 63.006 1.000 42.70 ATOM 2526 CDI LEU B 36 32.421 5.477 63.006 1.000 42.70 ATOM 2527 CD2 LEU B 36 32.421 5.477 63.006 1.000 42.70 ATOM 2530 N GLN B 37 30.143 2.412 67.207 1.000 64.59 ATOM 2531 CA GLN B 37 30.253 2.093 68.627 1.000 65.83 ATOM 2531 CA GLN B 37 30.253 2.093 68.627 1.000 65.83 ATOM 2533 CA GLN B 37 30.448 5.336 70.883 1.000 67.63 ATOM 2534 CD GLN B 37 30.448 5.336 70.883 1.000 67.63 ATOM 2534 CD GLN B 37 30.438 2.926 4.435 68.963 1.000 67.63 ATOM 2534 CD GLN B 37 30.438 2.926 6.349 70.194 1.000 65.62 ATOM 2536 NA ALA B 38 29.211 0.013 67.912 1.000 61.52 ATOM 2534 CD GLN B 37 30.438 29.211 0.013 67.912 1.000 61.52 ATOM 2540 CA ALA B 38 29.211 0.013 67.912 1.000 61.52 ATOM 2541 CB ALA B 38 29.267 -3.											
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ATOM 2527 CD2 LEU B 36 32.421 5.477 63.006 1.000 46.61 ATOM 2528 C LEU B 36 31.155 2.157 66.385 1.000 58.41 ATOM 2529 O LEU B 36 32.238 1.731 66.790 1.000 42.70 ATOM 2530 N GLN B 37 30.143 2.412 67.207 1.000 64.59 ATOM 2531 CA GLN B 37 30.253 2.093 68.627 1.000 66.89 ATOM 2532 CB GLN B 37 29.379 3.009 69.479 1.000 65.39 ATOM 2533 CG GLN B 37 29.268 4.435 68.963 1.000 71.01 ATOM 2534 CD GLN B 37 29.402 5.459 70.075 1.000 69.30 ATOM 2535 0E1 GLN B 37 29.402 5.459 70.075 1.000 69.30 ATOM 2536 NE2 GLN B 37 28.554 6.349 70.194 1.000 65.62 ATOM 2537 C GLN B 37 30.448 5.336 70.883 1.000 67.63 ATOM 2538 O GLN B 37 30.448 5.336 70.883 1.000 67.63 ATOM 2538 O GLN B 37 30.133 0.109 69.965 1.000 61.41 ATOM 2539 N ALA B 38 29.211 0.013 67.912 1.000 61.52 ATOM 2540 CA ALA B 38 29.211 0.013 67.912 1.000 61.52 ATOM 2541 CB ALA B 38 29.211 0.013 67.912 1.000 61.79 ATOM 2542 C ALA B 38 29.924 -2.304 68.328 1.000 71.64 ATOM 2543 O ALA B 38 29.924 -2.304 68.328 1.000 71.64 ATOM 2544 N ASP B 39 29.627 -3.453 68.927 1.000 75.20 ATOM 2546 CB ASP B 39 30.678 -4.382 69.332 1.000 79.52 ATOM 2546 CB ASP B 39 31.399 -4.960 68.119 1.000 83.70	MOTA										
ATOM 2528 C LEU B 36 31.155 2.157 66.385 1.000 58.41 ATOM 2529 O LEU B 36 32.238 1.731 66.790 1.000 42.70 ATOM 2530 N GLN B 37 30.143 2.412 67.207 1.000 64.59 ATOM 2531 CA GLN B 37 30.253 2.093 68.627 1.000 66.89 ATOM 2532 CB GLN B 37 29.379 3.009 69.479 1.000 65.39 ATOM 2533 CG GLN B 37 29.268 4.435 68.963 1.000 71.01 ATOM 2534 CD GLN B 37 29.402 5.459 70.075 1.000 69.30 ATOM 2535 OE1 GLN B 37 28.554 6.349 70.194 1.000 65.62 ATOM 2537 C GLN B 37 30.448 5.336 70.883 1.000 67.63 ATOM 2538 O GLN B 37 29.858 0.639 68.887 1.000 64.12 ATOM 2539 N ALA B 38 29.211 0.013 67.912 1.000 61.41 ATOM 2539 N ALA B 38 29.211 0.013 67.912 1.000 61.52 ATOM 2540 CA ALA B 38 28.752 -1.364 68.068 1.000 61.79 ATOM 2541 CB ALA B 38 29.924 -2.304 68.328 1.000 71.64 ATOM 2543 O ALA B 38 29.924 -2.304 68.328 1.000 71.64 ATOM 2544 N ASP B 39 30.678 -4.382 69.332 1.000 79.52 ATOM 2546 CB ASP B 39 31.399 -4.960 68.119 1.000 83.70	MOTA										
ATOM 2529 O LEU B 36 32.238 1.731 66.790 1.000 42.70 ATOM 2530 N GLN B 37 30.143 2.412 67.207 1.000 64.59 ATOM 2531 CA GLN B 37 30.253 2.093 68.627 1.000 66.89 ATOM 2532 CB GLN B 37 29.379 3.009 69.479 1.000 65.39 ATOM 2533 CG GLN B 37 29.268 4.435 68.963 1.000 71.01 ATOM 2534 CD GLN B 37 29.402 5.459 70.075 1.000 69.30 ATOM 2535 OE1 GLN B 37 28.554 6.349 70.194 1.000 65.62 ATOM 2536 NE2 GLN B 37 30.448 5.336 70.883 1.000 67.63 ATOM 2537 C GLN B 37 29.858 0.639 68.887 1.000 67.63 ATOM 2538 O GLN B 37 30.133 0.109 69.965 1.000 61.41 ATOM 2539 N ALA B 38 29.211 0.013 67.912 1.000 61.52 ATOM 2540 CA ALA B 38 28.752 -1.364 68.068 1.000 61.79 ATOM 2541 CB ALA B 38 27.973 -1.811 66.843 1.000 61.79 ATOM 2542 C ALA B 38 29.924 -2.304 68.328 1.000 71.64 ATOM 2543 O ALA B 38 31.070 -1.992 68.000 1.000 88.33 ATOM 2545 CA ASP B 39 30.678 -4.382 69.332 1.000 79.52 ATOM 2545 CA ASP B 39 31.399 -4.960 68.119 1.000 83.70	MOTA	2527									
ATOM 2530 N GLN B 37 30.143 2.412 67.207 1.000 64.59 ATOM 2531 CA GLN B 37 30.253 2.093 68.627 1.000 66.89 ATOM 2532 CB GLN B 37 29.379 3.009 69.479 1.000 65.39 ATOM 2533 CG GLN B 37 29.268 4.435 68.963 1.000 71.01 ATOM 2534 CD GLN B 37 29.402 5.459 70.075 1.000 69.30 ATOM 2535 OE1 GLN B 37 28.554 6.349 70.194 1.000 65.62 ATOM 2536 NE2 GLN B 37 30.448 5.336 70.883 1.000 67.63 ATOM 2537 C GLN B 37 29.858 0.639 68.887 1.000 64.12 ATOM 2538 O GLN B 37 30.133 0.109 69.965 1.000 61.41 ATOM 2539 N ALA B 38 29.211 0.013 67.912 1.000 61.52 ATOM 2540 CA ALA B 38 28.752 -1.364 68.068 1.000 61.79 ATOM 2541 CB ALA B 38 28.752 -1.364 68.068 1.000 61.79 ATOM 2542 C ALA B 38 29.924 -2.304 68.328 1.000 71.64 ATOM 2543 O ALA B 38 31.070 -1.992 68.000 1.000 88.33 ATOM 2544 N ASP B 39 29.627 -3.453 68.927 1.000 75.20 ATOM 2545 CA ASP B 39 30.678 -4.382 69.332 1.000 79.52 ATOM 2546 CB ASP B 39 31.399 -4.960 68.119 1.000 83.70	ATOM	2528	С	LEU	В						
ATOM 2531 CA GLN B 37 30.253 2.093 68.627 1.000 66.89 ATOM 2532 CB GLN B 37 29.379 3.009 69.479 1.000 65.39 ATOM 2533 CG GLN B 37 29.268 4.435 68.963 1.000 71.01 ATOM 2534 CD GLN B 37 29.402 5.459 70.075 1.000 69.30 ATOM 2535 OE1 GLN B 37 28.554 6.349 70.194 1.000 65.62 ATOM 2536 NE2 GLN B 37 30.448 5.336 70.883 1.000 67.63 ATOM 2537 C GLN B 37 29.858 0.639 68.887 1.000 64.12 ATOM 2538 O GLN B 37 30.133 0.109 69.965 1.000 61.41 ATOM 2539 N ALA B 38 29.211 0.013 67.912 1.000 61.52 ATOM 2540 CA ALA B 38 28.752 -1.364 68.068 1.000 61.79 ATOM 2541 CB ALA B 38 27.973 -1.811 66.843 1.000 61.79 ATOM 2542 C ALA B 38 29.924 -2.304 68.328 1.000 71.64 ATOM 2543 O ALA B 38 31.070 -1.992 68.000 1.000 88.33 ATOM 2544 N ASP B 39 29.627 -3.453 68.927 1.000 75.20 ATOM 2545 CA ASP B 39 30.678 -4.382 69.332 1.000 79.52 ATOM 2546 CB ASP B 39 31.399 -4.960 68.119 1.000 83.70	MOTA		0	LEU	В						
ATOM 2532 CB GLN B 37 29.379 3.009 69.479 1.000 65.39 ATOM 2533 CG GLN B 37 29.268 4.435 68.963 1.000 71.01 ATOM 2534 CD GLN B 37 29.402 5.459 70.075 1.000 69.30 ATOM 2535 OE1 GLN B 37 28.554 6.349 70.194 1.000 65.62 ATOM 2536 NE2 GLN B 37 30.448 5.336 70.883 1.000 67.63 ATOM 2537 C GLN B 37 29.858 0.639 68.887 1.000 64.12 ATOM 2538 O GLN B 37 30.133 0.109 69.965 1.000 61.41 ATOM 2539 N ALA B 38 29.211 0.013 67.912 1.000 61.52 ATOM 2540 CA ALA B 38 29.211 0.013 67.912 1.000 61.52 ATOM 2541 CB ALA B 38 28.752 -1.364 68.068 1.000 61.79 ATOM 2542 C ALA B 38 29.924 -2.304 68.328 1.000 71.64 ATOM 2543 O ALA B 38 29.924 -2.304 68.328 1.000 71.64 ATOM 2543 O ALA B 38 31.070 -1.992 68.000 1.000 88.33 ATOM 2544 N ASP B 39 29.627 -3.453 68.927 1.000 75.20 ATOM 2545 CA ASP B 39 30.678 -4.382 69.332 1.000 79.52 ATOM 2546 CB ASP B 39 31.399 -4.960 68.119 1.000 83.70	ATOM	2530	N	GLN	В	37					
ATOM 2533 CG GLN B 37 29.268 4.435 68.963 1.000 71.01 ATOM 2534 CD GLN B 37 29.402 5.459 70.075 1.000 69.30 ATOM 2535 OE1 GLN B 37 28.554 6.349 70.194 1.000 65.62 ATOM 2536 NE2 GLN B 37 30.448 5.336 70.883 1.000 67.63 ATOM 2537 C GLN B 37 29.858 0.639 68.887 1.000 64.12 ATOM 2538 O GLN B 37 30.133 0.109 69.965 1.000 61.41 ATOM 2539 N ALA B 38 29.211 0.013 67.912 1.000 61.52 ATOM 2540 CA ALA B 38 28.752 -1.364 68.068 1.000 61.79 ATOM 2541 CB ALA B 38 27.973 -1.811 66.843 1.000 61.79 ATOM 2542 C ALA B 38 29.924 -2.304 68.328 1.000 71.64 ATOM 2543 O ALA B 38 31.070 -1.992 68.000 1.000 88.33 ATOM 2544 N ASP B 39 29.627 -3.453 68.927 1.000 75.20 ATOM 2546 CB ASP B 39 30.678 -4.382 69.332 1.000 79.52 ATOM 2546 CB ASP B 39 31.399 -4.960 68.119 1.000 83.70	MOTA	2531	CA	GLN	В	37	30.253				
ATOM 2534 CD GLN B 37 29.402 5.459 70.075 1.000 69.30 ATOM 2535 OE1 GLN B 37 28.554 6.349 70.194 1.000 65.62 ATOM 2536 NE2 GLN B 37 30.448 5.336 70.883 1.000 67.63 ATOM 2537 C GLN B 37 29.858 0.639 68.887 1.000 64.12 ATOM 2538 O GLN B 37 30.133 0.109 69.965 1.000 61.41 ATOM 2539 N ALA B 38 29.211 0.013 67.912 1.000 61.52 ATOM 2540 CA ALA B 38 28.752 -1.364 68.068 1.000 61.79 ATOM 2541 CB ALA B 38 27.973 -1.811 66.843 1.000 61.79 ATOM 2542 C ALA B 38 29.924 -2.304 68.328 1.000 71.64 ATOM 2543 O ALA B 38 31.070 -1.992 68.000 1.000 88.33 ATOM 2544 N ASP B 39 29.627 -3.453 68.927 1.000 75.20 ATOM 2546 CB ASP B 39 30.678 -4.382 69.332 1.000 79.52 ATOM 2546 CB ASP B 39 31.399 -4.960 68.119 1.000 83.70	MOTA	2532	CB	GLN	В	37	29.379	3.009			
ATOM 2535 OE1 GLN B 37 28.554 6.349 70.194 1.000 65.62 ATOM 2536 NE2 GLN B 37 30.448 5.336 70.883 1.000 67.63 ATOM 2537 C GLN B 37 29.858 0.639 68.887 1.000 64.12 ATOM 2538 O GLN B 37 30.133 0.109 69.965 1.000 61.41 ATOM 2539 N ALA B 38 29.211 0.013 67.912 1.000 61.52 ATOM 2540 CA ALA B 38 28.752 -1.364 68.068 1.000 61.79 ATOM 2541 CB ALA B 38 28.752 -1.364 68.068 1.000 61.79 ATOM 2542 C ALA B 38 27.973 -1.811 66.843 1.000 61.12 ATOM 2543 O ALA B 38 29.924 -2.304 68.328 1.000 71.64 ATOM 2544 N ASP B 39 29.627 -3.453 68.927 1.000 75.20 ATOM 2545 CA ASP B 39 30.678 -4.382 69.332 1.000 79.52 ATOM 2546 CB ASP B 39 31.399 -4.960 68.119 1.000 83.70	MOTA	2533	CG	GLN	В	37	29.268				
ATOM 2536 NE2 GLN B 37 30.448 5.336 70.883 1.000 67.63 ATOM 2537 C GLN B 37 29.858 0.639 68.887 1.000 64.12 ATOM 2538 O GLN B 37 30.133 0.109 69.965 1.000 61.41 ATOM 2539 N ALA B 38 29.211 0.013 67.912 1.000 61.52 ATOM 2540 CA ALA B 38 28.752 -1.364 68.068 1.000 61.79 ATOM 2541 CB ALA B 38 27.973 -1.811 66.843 1.000 61.12 ATOM 2542 C ALA B 38 29.924 -2.304 68.328 1.000 71.64 ATOM 2543 O ALA B 38 31.070 -1.992 68.000 1.000 88.33 ATOM 2544 N ASP B 39 29.627 -3.453 68.927 1.000 75.20 ATOM 2545 CA ASP B 39 30.678 -4.382 69.332 1.000 79.52 ATOM 2546 CB ASP B 39 31.399 -4.960 68.119 1.000 83.70	MOTA	2534									
ATOM 2537 C GLN B 37 29.858 0.639 68.887 1.000 64.12 ATOM 2538 O GLN B 37 30.133 0.109 69.965 1.000 61.41 ATOM 2539 N ALA B 38 29.211 0.013 67.912 1.000 61.52 ATOM 2540 CA ALA B 38 28.752 -1.364 68.068 1.000 61.79 ATOM 2541 CB ALA B 38 27.973 -1.811 66.843 1.000 61.12 ATOM 2542 C ALA B 38 29.924 -2.304 68.328 1.000 71.64 ATOM 2543 O ALA B 38 31.070 -1.992 68.000 1.000 88.33 ATOM 2544 N ASP B 39 29.627 -3.453 68.927 1.000 75.20 ATOM 2545 CA ASP B 39 30.678 -4.382 69.332 1.000 79.52 ATOM 2546 CB ASP B 39 31.399 -4.960 68.119 1.000 83.70	MOTA	2535	OE1	GLN	В	37	28.554	6.349			
ATOM 2538 O GLN B 37 30.133 0.109 69.965 1.000 61.41 ATOM 2539 N ALA B 38 29.211 0.013 67.912 1.000 61.52 ATOM 2540 CA ALA B 38 28.752 -1.364 68.068 1.000 61.79 ATOM 2541 CB ALA B 38 27.973 -1.811 66.843 1.000 61.12 ATOM 2542 C ALA B 38 29.924 -2.304 68.328 1.000 71.64 ATOM 2543 O ALA B 38 31.070 -1.992 68.000 1.000 88.33 ATOM 2544 N ASP B 39 29.627 -3.453 68.927 1.000 75.20 ATOM 2546 CB ASP B 39 31.399 -4.960 68.119 1.000 83.70	ATOM	2536	NE2	GLN	В	37	30.448	5.336			
ATOM 2538 O GLN B 37 30.133 0.109 69.965 1.000 61.41 ATOM 2539 N ALA B 38 29.211 0.013 67.912 1.000 61.52 ATOM 2540 CA ALA B 38 28.752 -1.364 68.068 1.000 61.79 ATOM 2541 CB ALA B 38 27.973 -1.811 66.843 1.000 61.12 ATOM 2542 C ALA B 38 29.924 -2.304 68.328 1.000 71.64 ATOM 2543 O ALA B 38 31.070 -1.992 68.000 1.000 88.33 ATOM 2544 N ASP B 39 29.627 -3.453 68.927 1.000 75.20 ATOM 2546 CB ASP B 39 30.678 -4.382 69.332 1.000 79.52 ATOM 2546 CB ASP B 39 31.399 -4.960 68.119 1.000 83.70	MOTA	2537	С	GLN	В	37	29.858	0.639	68.887	1.000	64.12
ATOM 2539 N ALA B 38 29.211 0.013 67.912 1.000 61.52 ATOM 2540 CA ALA B 38 28.752 -1.364 68.068 1.000 61.79 ATOM 2541 CB ALA B 38 27.973 -1.811 66.843 1.000 61.12 ATOM 2542 C ALA B 38 29.924 -2.304 68.328 1.000 71.64 ATOM 2543 O ALA B 38 31.070 -1.992 68.000 1.000 88.33 ATOM 2544 N ASP B 39 29.627 -3.453 68.927 1.000 75.20 ATOM 2545 CA ASP B 39 30.678 -4.382 69.332 1.000 79.52 ATOM 2546 CB ASP B 39 31.399 -4.960 68.119 1.000 83.70		2538	0	GLN	В	37	30.133	0.109	69.965	1.000	61.41
ATOM 2540 CA ALA B 38 28.752 -1.364 68.068 1.000 61.79 ATOM 2541 CB ALA B 38 27.973 -1.811 66.843 1.000 61.12 ATOM 2542 C ALA B 38 29.924 -2.304 68.328 1.000 71.64 ATOM 2543 O ALA B 38 31.070 -1.992 68.000 1.000 88.33 ATOM 2544 N ASP B 39 29.627 -3.453 68.927 1.000 75.20 ATOM 2545 CA ASP B 39 30.678 -4.382 69.332 1.000 79.52 ATOM 2546 CB ASP B 39 31.399 -4.960 68.119 1.000 83.70			N	ALA	В	38	29.211	0.013	67.912	1.000	61.52
ATOM 2541 CB ALA B 38 27.973 -1.811 66.843 1.000 61.12 ATOM 2542 C ALA B 38 29.924 -2.304 68.328 1.000 71.64 ATOM 2543 O ALA B 38 31.070 -1.992 68.000 1.000 88.33 ATOM 2544 N ASP B 39 29.627 -3.453 68.927 1.000 75.20 ATOM 2545 CA ASP B 39 30.678 -4.382 69.332 1.000 79.52 ATOM 2546 CB ASP B 39 31.399 -4.960 68.119 1.000 83.70			CA	ALA	В	38	28.752	-1.364	68.068	1.000	61.79
ATOM 2542 C ALA B 38 29.924 -2.304 68.328 1.000 71.64 ATOM 2543 O ALA B 38 31.070 -1.992 68.000 1.000 88.33 ATOM 2544 N ASP B 39 29.627 -3.453 68.927 1.000 75.20 ATOM 2545 CA ASP B 39 30.678 -4.382 69.332 1.000 79.52 ATOM 2546 CB ASP B 39 31.399 -4.960 68.119 1.000 83.70											
ATOM 2543 O ALA B 38 31.070 -1.992 68.000 1.000 88.33 ATOM 2544 N ASP B 39 29.627 -3.453 68.927 1.000 75.20 ATOM 2545 CA ASP B 39 30.678 -4.382 69.332 1.000 79.52 ATOM 2546 CB ASP B 39 31.399 -4.960 68.119 1.000 83.70									68.328	1.000	71.64
ATOM 2544 N ASP B 39 29.627 -3.453 68.927 1.000 75.20 ATOM 2545 CA ASP B 39 30.678 -4.382 69.332 1.000 79.52 ATOM 2546 CB ASP B 39 31.399 -4.960 68.119 1.000 83.70								-1.992	68.000	1.000	88.33
ATOM 2545 CA ASP B 39 30.678 -4.382 69.332 1.000 79.52 ATOM 2546 CB ASP B 39 31.399 -4.960 68.119 1.000 83.70											
ATOM 2546 CB ASP B 39 31.399 -4.960 68.119 1.000 83.70											
	ATOM								68.329	1.000	85.54

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ATOM	2548		ASP		39	33.151	-6.572			77.07
ATOM	2549	OD2	ASP	В	39	31.125	-7.261	68.656	1.000	94.95
MOTA	2550	С	ASP	В	39	31.654	-3.661	70.262	1.000	80.16
ATOM	2551	0	ASP	В	39	32.866	-3.844	70.171	1.000	82.76
ATOM	2552	N	SER	В	40	31.091	-2.847	71.149	1.000	80.57
ATOM	2553	CA	SER		40	31.845	-2.060	72.117		88.50
ATOM	2554	СВ	SER		40	32.474	-2.960	73.184		94.68
ATOM	2555	OG	SER		40	32.154	-2.503	74.493		104.32
ATOM	2556	C	SER		40	32.923	-1.227	71.430		88.12
ATOM	2557	0	SER		40	34.120	-1.492	71.558		101.21
ATOM	2558	N	ASN		41	32.493	-0.212	70.685		79.40
ATOM	2559	CA	ASN		41		0.680	69.978		
						33.401				
ATOM	2560	CB			41	34.193	1.538	70.973		73.13
ATOM	2561	CG	ASN		41	33.910	3.013	70.761		66.31
ATOM	2562		ASN		41	32.852	3.359	70.237		66.52
ATOM	2563		ASN		41	34.853	3.853	71.161		67.42
ATOM	2564	С	ASN		41	34.370	-0.080	69.091	1.000	
ATOM	2565	0	ASN		41	35.499	0.345	68.837		79.80
MOTA	2566	N	TYR		42	33.919	-1.239	68.605	1.000	74.28
ATOM	2567	CA	TYR	В	42	34.837	-2.034	67.800	1.000	72.73
MOTA	2568	CB	TYR		42	34.211	-3.377	67.423	1.000	73.56
ATOM	2569	CG	TYR		42	35.147	-4.228	66.588	1.000	73.21
MOTA	2570	CD1			42	36.311	-4.738	67.144	1.000	77.06
ATOM	2571	CE1	TYR	В	42	37.173	-5.514	66.388	1.000	78.96
ATOM	2572	CZ	TYR	В	42	36.872	- 5.773	65.067	1.000	78.31
ATOM	2573	ОН	TYR	В	42	37.729	-6.541	64.312	1.000	91.83
ATOM	2574	CE2	TYR	В	42	35.724	-5.272	64.492	1.000	73.89
ATOM	2575	CD2	TYR	В	42	34.868	-4.501	65.256	1.000	72.17
ATOM	2576	С	TYR	В	42	35.257	-1.247	66.561		64.17
MOTA	2577	0	TYR	В	42	36.414	-0.843	66.456		62.76
ATOM	2578	N	LEU		43	34.312	-1.041	65.653		59.26
ATOM	2579	CA	LEU		43	34.589	-0.428	64.362		59.76
ATOM	2580	СВ	LEU		43	33.310	-0.304	63.528		63.25
ATOM	2581	CG	LEU		43	32.890	-1.570	62.775		63.42
ATOM	2582	CD1	LEU		43	31.436	-1.480	62.336		46.05
ATOM	2583	CD2	LEU		43	33.807	-1.812		1.000	
ATOM	2584	C	LEU		43	35.252	0.932	64.522		54.62
ATOM	2585	Ö	LEU		43	36.208	1.237		1.000	
ATOM	2586	N	LEU		44	34.760	1.742	65.454	1.000	
ATOM	2587	CA	LEU		44	35.409	3.030	65.682		
ATOM	2588	CB	LEU			34.729		66.826		
					44		3.785			
MOTA	2589	CG	LEU		44	35.293	5.195	67.068		
ATOM	2590	CD1	LEU		44	35.267	6.017	65.787		
MOTA	2591		LEU		44	34.522	5.886	68.170		
ATOM	2592	C	LEU		44	36.898	2.865	65.975		
ATOM	2593	0	LEU		44	37.732	3.549	65.378		
ATOM	2594	N	SER		45	37.242	1.962	66.882		
MOTA	2595	CA	SER		45	38.619	1.713	67.282		
ATOM	2596	СВ	SER		45	38.690	0.436	68.127		39.80
ATOM	2597	OG	SER		45	39.247	0.727	69.398		
MOTA	2598	С	SER		45	39.558	1.552	66.098		
ATOM	2599	0	SER	В	45	40.668	2.082	66.083	1.000	52.78

ATOM 2600 N LYS B 46 39.087 0.795 65.113 1.000 51.54 ATOM 2601 CA LYS B 46 39.891 0.470 63.941 1.000 63.73 ATOM 2602 CB LYS B 46 39.589 -0.009 63.395 1.000 74.89 ATOM 2604 CD LYS B 46 39.589 -0.009 63.395 1.000 86.82 ATOM 2605 CE LYS B 46 39.590 -2.009 63.395 1.000 86.82 ATOM 2606 CE LYS B 46 39.920 -2.808 62.129 1.000 98.74 ATOM 2606 NZ LYS B 46 39.701 5.221 61.446 1.000118.97 ATOM 2607 C LYS B 46 40.285 -4.250 62.467 1.000105.16 ATOM 2608 NZ LYS B 46 40.196 1.720 63.115 1.000 64.75 ATOM 2609 N GLU B 47 39.144 2.386 62.6161 1.000 60.32 ATOM 2610 CA GLU B 47 39.214 3.608 61.876 1.000 57.31 ATOM 2611 CB GLU B 47 37.861 4.317 61.829 1.000 59.96 ATOM 2612 CG GLU B 47 37.861 4.317 61.829 1.000 59.96 ATOM 2613 CD GLU B 47 36.069 5.368 60.394 1.000 62.05 ATOM 2615 OE2 GLU B 47 36.069 5.368 60.394 1.000 62.05 ATOM 2616 C GLU B 47 36.069 5.368 60.394 1.000 62.05 ATOM 2616 C GLU B 47 36.243 6.408 61.006 61.005 50.16 ATOM 2616 C GLU B 47 40.261 4.566 62.445 1.000 52.08 ATOM 2616 C GLU B 47 40.261 4.566 62.445 1.000 52.08 ATOM 2617 O GLU B 47 40.261 4.566 62.445 1.000 52.08 ATOM 2618 N TYR B 48 40.331 4.643 63.772 1.000 43.15 ATOM 2620 CB TYR B 48 40.331 4.643 63.772 1.000 43.35 ATOM 2621 CG TYR B 48 41.241 5.559 64.447 1.000 47.41 ATOM 2622 CD TYR B 48 41.664 6.800 66.628 1.000 43.06 ATOM 2621 CG TYR B 48 41.664 6.800 66.628 1.000 43.35 ATOM 2622 CD TYR B 48 41.664 6.800 66.628 1.000 43.35 ATOM 2623 CE TYR B 48 41.664 6.800 66.628 1.000 43.35 ATOM 2624 CZ TYR B 48 42.446 9.049 67.026 1.000 33.55 ATOM 2636 CE TYR B 48 44.109 9.457 68.675 1.000 39.24 ATOM 2637 C GLU B 49 44.097 3.350 64.486 1.000 67.43 ATOM 2638 C GLU B 49 44.097 3.350 66.354 67.609 1.000 39.85 ATOM 2630 N GLU B 49 44.097 3.350 66.354 67.609 1.000 39.85 ATOM 2631 C G GLU B 49 44.097 3.350 66.354 67.609 1.000 39.45 ATOM 2636 C G TYR B 48 44.609 3.355 62.975 1.000 46.18 ATOM 2637 C GLU B 49 44.097 3.200 66.4486 1.000 79.66 ATOM 2638 O GLU B 49 44.097 3.200 66.4486 1.000 79.66 ATOM 2637 C GLU B 50 44.500 9.355 62.975 1.000 46.18 ATOM 2638 O GLU B 50 44.500 9.											
ATOM 2602 CB LYS B 46 39.189 -0.575 63.073 1.000 74.89 ATOM 2604 CD LYS B 46 39.589 -2.009 63.395 1.000 86.82 ATOM 2604 CD LYS B 46 39.589 -2.009 63.395 1.000 86.82 ATOM 2605 CE LYS B 46 39.790 -2.808 62.129 1.000 98.47 ATOM 2605 CE LYS B 46 39.701 -5.221 61.446 1.000118.97 ATOM 2607 C LYS B 46 40.285 -4.250 62.467 1.000105.16 ATOM 2608 O LYS B 46 40.196 1.720 63.115 1.000 64.75 ATOM 2609 N GLU B 47 39.144 2.386 62.619 1.000 80.74 ATOM 2609 N GLU B 47 39.214 3.608 61.876 1.000 57.31 ATOM 2610 CB GLU B 47 39.214 3.608 61.876 1.000 57.31 ATOM 2611 CB GLU B 47 37.861 4.317 61.829 1.000 59.96 ATOM 2612 CG GLU B 47 37.861 4.317 61.829 1.000 59.96 ATOM 2615 OE2 GLU B 47 35.086 5.368 60.394 1.000 62.05 ATOM 2616 C GLU B 47 36.069 5.368 60.394 1.000 62.05 ATOM 2616 C GLU B 47 36.069 5.368 60.394 1.000 62.05 ATOM 2616 C GLU B 47 36.069 5.368 60.394 1.000 62.05 ATOM 2616 C GLU B 47 36.243 6.408 61.066 1.000 55.16 ATOM 2616 C GLU B 47 40.261 4.566 62.445 1.000 52.08 ATOM 2618 N TYR B 48 40.331 4.643 63.772 1.000 51.35 ATOM 2618 N TYR B 48 40.331 4.643 63.772 1.000 51.35 ATOM 2620 CB TYR B 48 40.331 4.643 63.772 1.000 51.35 ATOM 2620 CB TYR B 48 40.764 5.559 64.447 1.000 47.41 ATOM 2620 CB TYR B 48 40.764 5.559 64.447 1.000 47.41 ATOM 2620 CB TYR B 48 40.764 6.800 66.628 1.000 43.06 ATOM 2621 CG TYR B 48 40.764 5.559 64.447 1.000 47.41 ATOM 2620 CB TYR B 48 41.644 6.800 66.628 1.000 43.06 ATOM 2621 CD TYR B 48 41.644 6.800 66.628 1.000 43.06 ATOM 2622 CD TYR B 48 42.446 9.049 67.026 1.000 33.55 ATOM 2625 CD TYR B 48 42.446 9.049 67.026 1.000 33.43 ATOM 2626 CE TYR B 48 42.446 9.049 67.026 1.000 33.43 ATOM 2626 CE TYR B 48 42.446 9.049 67.026 1.000 33.43 ATOM 2626 CB TYR B 48 42.446 9.049 67.026 1.000 33.43 ATOM 2626 CB TYR B 48 42.446 9.049 67.026 1.000 33.43 ATOM 2626 CB TYR B 48 42.446 9.049 67.026 1.000 33.43 ATOM 2630 N GLU B 49 44.091 9.457 67.997 1.000 35.45 ATOM 2630 N GLU B 49 44.091 9.457 68.675 1.000 47.73 ATOM 2630 N GLU B 49 44.091 9.457 68.675 1.000 47.73 ATOM 2640 CB GLU B 49 44.096 2.572 67.234 1.000 77.35 A	ATOM	2600	N	LYS	В	46	39.087	0.795	65.113		
ATOM 2603 CG LIS B 46 39.589 -2.009 63.395 1.000 86.82 ATOM 2605 CE LYS B 46 39.920 -2.808 62.129 1.000 98.47 ATOM 2605 CE LYS B 46 40.285 -4.250 62.467 1.000105.16 ATOM 2606 NZ LYS B 46 40.285 -4.250 62.467 1.000105.16 ATOM 2608 NZ LYS B 46 40.196 1.720 63.115 1.000 64.75 ATOM 2608 O LYS B 46 41.369 2.039 62.917 1.000 80.74 ATOM 2609 N GLU B 47 39.144 2.386 62.661 1.000 60.32 ATOM 2610 CA GLU B 47 39.214 3.608 61.876 1.000 59.96 ATOM 2611 CB GLU B 47 39.214 3.608 61.876 1.000 59.96 ATOM 2612 CG GLU B 47 37.108 4.262 6.0513 1.000 64.86 ATOM 2612 CG GLU B 47 35.086 5.213 59.637 1.000 43.75 ATOM 2616 OE2 GLU B 47 36.089 5.368 60.394 1.000 62.32 ATOM 2616 OE2 GLU B 47 36.089 5.368 60.394 1.000 62.05 ATOM 2616 C GLU B 47 36.089 5.368 60.394 1.000 62.05 ATOM 2617 O GLU B 47 40.261 4.566 62.445 1.000 55.16 ATOM 2618 N TYR B 48 40.331 4.643 63.772 1.000 51.35 ATOM 2619 CA TYR B 48 41.664 6.800 66.628 1.000 47.41 ATOM 2620 CB TYR B 48 41.664 6.800 66.628 1.000 43.35 ATOM 2622 CD1 TYR B 48 41.664 6.800 66.628 1.000 43.35 ATOM 2622 CD1 TYR B 48 41.664 6.800 66.628 1.000 43.35 ATOM 2622 CD1 TYR B 48 41.664 6.800 66.628 1.000 43.35 ATOM 2622 CD1 TYR B 48 41.664 6.800 66.628 1.000 43.35 ATOM 2622 CD1 TYR B 48 41.664 6.800 66.628 1.000 43.35 ATOM 2622 CD1 TYR B 48 41.664 6.800 66.628 1.000 43.35 ATOM 2622 CD1 TYR B 48 41.664 6.800 66.628 1.000 43.35 ATOM 2622 CD1 TYR B 48 41.664 6.800 66.628 1.000 43.35 ATOM 2622 CD1 TYR B 48 41.664 6.800 66.628 1.000 43.35 ATOM 2623 CB1 TYR B 48 41.664 6.800 66.628 1.000 43.35 ATOM 2625 CB TYR B 48 41.664 6.800 66.628 1.000 43.35 ATOM 2626 CB2 TYR B 48 41.664 6.800 66.628 1.000 43.35 ATOM 2626 CB2 TYR B 48 41.664 6.800 66.628 1.000 43.35 ATOM 2626 CB2 TYR B 48 41.664 6.800 66.628 1.000 43.35 ATOM 2636 CB CB2 TYR B 48 41.664 6.800 66.628 1.000 43.35 ATOM 2636 CB CB2 GLU B 49 44.131 3.103 64.459 1.000 67.06 ATOM 2636 CB GLU B 49 44.131 3.103 64.459 1.000 40.484 ATOM 2631 CA GLU B 49 44.096 3.255 67.299 1.000 35.45 ATOM 2636 CB GLU B 49 44.096 3.255 67.299 1.000 35.45 ATOM 2636 CB GLU B 49 44.	ATOM	2601	CA	LYS	В	46	39.891	0.470	63.941	1.000	63.73
ATOM 2604 CD LYS B 46 39.920 -2.808 62.129 1.000 98.47 ATOM 2605 CE LYS B 46 40.285 -4.250 62.467 1.0001051.897 ATOM 2606 NZ LYS B 46 39.701 -5.221 61.446 1.000118.97 ATOM 2608 O LYS B 46 40.196 1.720 63.115 1.000 64.75 ATOM 2608 O LYS B 46 41.369 2.039 62.917 1.000 80.74 ATOM 2608 O LYS B 46 41.369 2.039 62.917 1.000 80.74 ATOM 2609 N GLU B 47 39.144 2.386 62.661 1.000 60.32 ATOM 2611 CB GLU B 47 39.144 2.386 62.661 1.000 57.31 ATOM 2611 CB GLU B 47 37.108 4.262 60.513 1.000 64.86 ATOM 2612 CG GLU B 47 37.108 4.262 60.513 1.000 64.86 ATOM 2613 CD GLU B 47 37.108 4.262 60.513 1.000 62.05 ATOM 2615 OEZ GLU B 47 35.086 5.213 59.637 1.000 87.74 ATOM 2616 C GLU B 47 35.086 62.445 1.000 52.08 ATOM 2616 C GLU B 47 36.049 5.368 60.394 1.000 62.05 ATOM 2616 C GLU B 47 36.049 5.368 60.394 1.000 62.05 ATOM 2618 N TYR B 48 40.261 4.566 62.445 1.000 52.08 ATOM 2618 N TYR B 48 40.331 4.643 63.772 1.000 51.35 ATOM 2619 CA TYR B 48 40.331 4.643 63.772 1.000 47.41 ATOM 2620 CB TYR B 48 40.331 4.643 63.772 1.000 47.41 ATOM 2620 CB TYR B 48 41.664 6.800 66.628 1.000 43.35 ATOM 2621 CG TYR B 48 41.664 6.800 66.628 1.000 43.35 ATOM 2622 CD1 TYR B 48 41.664 6.800 66.628 1.000 43.35 ATOM 2625 OH TYR B 48 41.664 6.800 66.628 1.000 43.35 ATOM 2625 OH TYR B 48 42.446 9.094 67.026 1.000 33.43 ATOM 2627 CD2 TYR B 48 43.301 8.577 67.997 1.000 33.43 ATOM 2628 C TYR B 48 43.301 8.577 67.997 1.000 33.43 ATOM 2629 C TYR B 48 42.446 9.094 67.026 1.000 33.55 ATOM 2628 C TYR B 48 43.301 8.577 67.997 1.000 33.43 ATOM 2629 C TYR B 48 42.466 6.506 66.350 1.000 43.35 ATOM 2620 CB TYR B 48 43.301 8.577 67.997 1.000 33.43 ATOM 2620 CB TYR B 48 43.301 8.577 67.997 1.000 33.43 ATOM 2620 CB TYR B 48 43.301 8.577 67.997 1.000 33.43 ATOM 2620 CB TYR B 48 43.301 8.577 67.997 1.000 33.43 ATOM 2620 CB TYR B 48 43.301 8.577 67.997 1.000 35.45 ATOM 2630 N GLU B 49 44.027 1.636 64.486 1.000 77.35 ATOM 2631 CA GLU B 49 44.027 1.636 64.486 1.000 77.35 ATOM 2630 N GLU B 49 44.027 1.636 64.486 1.000 43.74 ATOM 2631 CA GLU B 49 44.027 1.636 64.486 1.000 43.74 ATOM 26	ATOM	2602	CB	LYS	В	46	39.189	-0.575	63.073	1.000	74.89
ATOM 2604 CD LYS B 46	ATOM	2603	CG	LYS	В	46	39.589	-2.009	63.395	1.000	86.82
ATOM 2605 CE LYS B 46		2604	CD	LYS	В	46	39.920	-2.808	62.129	1.000	98.47
ATOM 2606 NZ LYS B 46			CE	LYS	В	46	40.285	-4.250	62.467	1.000	105.16
ATOM 2608 O LYS B 46					В			-5.221	61.446	1.0003	118.97
ATOM 2608 O LYS B 46									63.115	1.000	64.75
ATOM 2610 CA GLU B 47 39.144 2.386 62.661 1.000 60.32 ATOM 2610 CA GLU B 47 39.214 3.608 61.876 1.000 59.96 ATOM 2611 CB GLU B 47 37.861 4.317 61.829 1.000 59.96 ATOM 2613 CD GLU B 47 36.069 5.368 60.394 1.000 64.86 ATOM 2613 CD GLU B 47 35.086 5.213 59.637 1.000 64.86 ATOM 2615 OE2 GLU B 47 35.086 5.213 59.637 1.000 64.86 ATOM 2615 OE2 GLU B 47 36.243 6.408 61.066 1.000 56.16 ATOM 2616 C GLU B 47 40.261 4.566 62.445 1.000 56.16 ATOM 2617 O GLU B 47 40.261 4.566 62.445 1.000 56.16 ATOM 2618 N TYR B 48 40.331 4.643 63.772 1.000 51.35 ATOM 2619 CA TYR B 48 40.331 4.643 63.772 1.000 47.41 ATOM 2620 CB TYR B 48 41.644 5.559 64.447 1.000 47.41 ATOM 2620 CB TYR B 48 41.664 6.800 66.628 1.000 43.35 ATOM 2621 CG TYR B 48 41.634 8.162 66.528 1.000 43.35 ATOM 2622 CD1 TYR B 48 42.446 9.049 67.026 1.000 33.54 ATOM 2623 CE1 TYR B 48 42.446 9.049 67.026 1.000 33.54 ATOM 2626 CE2 TYR B 48 42.446 9.049 67.026 1.000 33.54 ATOM 2626 CE2 TYR B 48 43.301 8.577 67.997 1.000 33.43 ATOM 2626 CE2 TYR B 48 43.357 7.232 68.299 1.000 39.28 ATOM 2626 CE2 TYR B 48 43.357 7.232 68.299 1.000 39.88 ATOM 2627 CD2 TYR B 48 43.357 7.232 68.299 1.000 39.88 ATOM 2626 CE2 TYR B 48 43.357 7.232 68.299 1.000 39.88 ATOM 2626 CE2 TYR B 48 43.357 7.232 68.299 1.000 39.88 ATOM 2627 CD2 TYR B 48 43.357 7.232 68.299 1.000 39.88 ATOM 2630 N GLU B 49 44.131 3.103 64.459 1.000 44.84 ATOM 2630 N GLU B 49 44.027 1.636 64.889 1.000 45.22 ATOM 2631 CA GLU B 49 44.027 1.636 64.889 1.000 77.66 ATOM 2632 CB GLU B 49 44.027 1.636 64.889 1.000 79.66 ATOM 2637 CC GLU B 49 44.027 1.636 64.889 1.000 79.66 ATOM 2637 CC GLU B 49 44.027 1.636 64.889 1.000 79.66 ATOM 2637 CC GLU B 49 44.027 1.636 64.889 1.000 79.66 ATOM 2638 OEL GLU B 49 44.027 1.636 64.889 1.000 79.66 ATOM 2638 OEL GLU B 49 44.027 1.636 64.889 1.000 79.66 ATOM 2638 OEL GLU B 49 44.027 1.636 64.889 1.000 79.66 ATOM 2638 OEL GLU B 49 44.027 1.636 64.481 1.000 79.66 ATOM 2638 OEL GLU B 50 44.691 3.355 66.404 1.000 35.49 ATOM 2640 CA GLU B 50 44.591 3.355 66.404 1.000 35.49 ATOM 2640 CA GLU B 50 44.691 3.357 6									62.917	1.000	80.74
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ATOM 2626 CE2 TYR B 48											
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ATOM 2628 C TYR B 48 42.666 5.026 64.486 1.000 44.84 ATOM 2629 O TYR B 48 43.636 5.779 64.556 1.000 38.45 ATOM 2630 N GLU B 49 42.798 3.704 64.448 1.000 45.22 ATOM 2631 CA GLU B 49 44.131 3.103 64.459 1.000 60.64 ATOM 2632 CB GLU B 49 44.027 1.636 64.889 1.000 60.64 ATOM 2633 CG GLU B 49 44.027 1.636 64.889 1.000 77.11 ATOM 2634 CD GLU B 49 44.096 2.572 67.234 1.000 79.66 ATOM 2635 OE1 GLU B 49 43.360 2.978 68.161 1.000 77.35 ATOM 2636 OE2 GLU B 49 44.790 3.234 63.097 1.000 85.01 ATOM 2638 O GLU B 49 44.790 3.234 63.097 1.000 39.20 ATOM 2639 N GLU B 50 44.513 3.230 62.044 1.000 35.49 ATOM 2640 CA GLU B 50 44.513 3.352 60.694 1.000 43.74 ATOM 2641 CB GLU B 50 44.513 3.352 60.694 1.000 43.74 ATOM 2642 CG GLU B 50 42.601 1.900 59.756 1.000 64.71 ATOM 2643 CD GLU B 50 41.686 1.654 58.577 1.000 72.97 ATOM 2646 C GLU B 50 40.752 2.456 58.346 1.000 70.73 ATOM 2647 O GLU B 50 45.205 4.698 60.485 1.000 49.75 ATOM 2648 N LEU B 51 44.611 8.073 61.767 1.000 33.23 ATOM 2649 CA LEU B 51 44.611 8.073 61.767 1.000 33.23 ATOM 2649 CA LEU B 51 44.611 8.073 61.767 1.000 28.37	MOTA	2626	CE2								
ATOM 2629 O TYR B 48 43.636 5.779 64.556 1.000 38.45 ATOM 2630 N GLU B 49 42.798 3.704 64.448 1.000 45.22 ATOM 2631 CA GLU B 49 44.131 3.103 64.459 1.000 46.18 ATOM 2632 CB GLU B 49 44.027 1.636 64.889 1.000 60.64 ATOM 2633 CG GLU B 49 43.562 1.476 66.331 1.000 71.11 ATOM 2634 CD GLU B 49 44.096 2.572 67.234 1.000 79.66 ATOM 2635 OE1 GLU B 49 43.360 2.978 68.161 1.000 77.35 ATOM 2636 OE2 GLU B 49 45.242 3.035 67.029 1.000 85.01 ATOM 2637 C GLU B 49 44.790 3.234 63.097 1.000 39.20 ATOM 2638 O GLU B 49 46.009 3.355 62.975 1.000 46.67 ATOM 2639 N GLU B 50 43.971 3.230 62.044 1.000 35.49 ATOM 2640 CA GLU B 50 43.412 3.174 59.644 1.000 53.39 ATOM 2641 CB GLU B 50 43.412 3.174 59.644 1.000 53.39 ATOM 2642 CG GLU B 50 42.601 1.900 59.756 1.000 64.71 ATOM 2643 CD GLU B 50 41.888 0.646 57.858 1.000 85.76 ATOM 2646 C GLU B 50 40.752 2.456 58.346 1.000 70.73 ATOM 2646 C GLU B 50 45.205 4.698 60.485 1.000 49.75 ATOM 2648 N LEU B 51 44.932 5.664 61.354 1.000 32.56 ATOM 2649 CA LEU B 51 44.611 8.073 61.767 1.000 28.37	MOTA	2627	CD2	TYR	В						
ATOM 2630 N GLU B 49 42.798 3.704 64.448 1.000 45.22 ATOM 2631 CA GLU B 49 44.131 3.103 64.459 1.000 46.18 ATOM 2632 CB GLU B 49 44.027 1.636 64.889 1.000 60.64 ATOM 2633 CG GLU B 49 43.562 1.476 66.331 1.000 71.11 ATOM 2634 CD GLU B 49 44.096 2.572 67.234 1.000 79.66 ATOM 2635 OE1 GLU B 49 43.360 2.978 68.161 1.000 77.35 ATOM 2636 OE2 GLU B 49 45.242 3.035 67.029 1.000 85.01 ATOM 2637 C GLU B 49 44.790 3.234 63.097 1.000 39.20 ATOM 2638 O GLU B 49 46.009 3.355 62.975 1.000 46.67 ATOM 2639 N GLU B 50 43.971 3.230 62.044 1.000 35.49 ATOM 2640 CA GLU B 50 44.513 3.352 60.694 1.000 43.74 ATOM 2641 CB GLU B 50 43.412 3.174 59.644 1.000 53.39 ATOM 2642 CG GLU B 50 42.601 1.900 59.756 1.000 64.71 ATOM 2643 CD GLU B 50 41.686 1.654 58.577 1.000 72.97 ATOM 2644 OE1 GLU B 50 41.888 0.646 57.858 1.000 85.76 ATOM 2645 OE2 GLU B 50 45.205 4.698 60.485 1.000 70.73 ATOM 2646 C GLU B 50 45.205 4.698 60.485 1.000 49.75 ATOM 2648 N LEU B 51 44.932 5.664 61.354 1.000 32.56 ATOM 2649 CA LEU B 51 44.611 8.073 61.767 1.000 28.37	MOTA		С								
ATOM 2631 CA GLU B 49 44.131 3.103 64.459 1.000 46.18 ATOM 2632 CB GLU B 49 44.027 1.636 64.889 1.000 60.64 ATOM 2633 CG GLU B 49 43.562 1.476 66.331 1.000 71.11 ATOM 2634 CD GLU B 49 44.096 2.572 67.234 1.000 79.66 ATOM 2635 OE1 GLU B 49 43.360 2.978 68.161 1.000 77.35 ATOM 2636 OE2 GLU B 49 45.242 3.035 67.029 1.000 85.01 ATOM 2637 C GLU B 49 44.790 3.234 63.097 1.000 39.20 ATOM 2638 O GLU B 49 46.009 3.355 62.975 1.000 46.67 ATOM 2639 N GLU B 50 43.971 3.230 62.044 1.000 35.49 ATOM 2640 CA GLU B 50 44.513 3.352 60.694 1.000 43.74 ATOM 2641 CB GLU B 50 43.412 3.174 59.644 1.000 53.39 ATOM 2642 CG GLU B 50 42.601 1.900 59.756 1.000 64.71 ATOM 2643 CD GLU B 50 41.686 1.654 58.577 1.000 72.97 ATOM 2646 C GLU B 50 41.888 0.646 57.858 1.000 85.76 ATOM 2646 C GLU B 50 45.205 4.698 60.485 1.000 70.73 ATOM 2648 N LEU B 51 44.932 5.664 61.354 1.000 32.56 ATOM 2649 CA LEU B 51 44.611 8.073 61.767 1.000 28.37	MOTA	2629	0	TYR	В	48	43.636	5.779			
ATOM 2632 CB GLU B 49 44.027 1.636 64.889 1.000 60.64 ATOM 2633 CG GLU B 49 43.562 1.476 66.331 1.000 71.11 ATOM 2634 CD GLU B 49 44.096 2.572 67.234 1.000 79.66 ATOM 2635 OE1 GLU B 49 43.360 2.978 68.161 1.000 77.35 ATOM 2636 OE2 GLU B 49 45.242 3.035 67.029 1.000 85.01 ATOM 2637 C GLU B 49 44.790 3.234 63.097 1.000 39.20 ATOM 2638 O GLU B 49 46.009 3.355 62.975 1.000 46.67 ATOM 2639 N GLU B 50 43.971 3.230 62.044 1.000 35.49 ATOM 2640 CA GLU B 50 44.513 3.352 60.694 1.000 43.74 ATOM 2641 CB GLU B 50 43.412 3.174 59.644 1.000 53.39 ATOM 2642 CG GLU B 50 42.601 1.900 59.756 1.000 64.71 ATOM 2643 CD GLU B 50 41.686 1.654 58.577 1.000 72.97 ATOM 2644 OE1 GLU B 50 41.888 0.646 57.858 1.000 85.76 ATOM 2645 OE2 GLU B 50 40.752 2.456 58.346 1.000 70.73 ATOM 2646 C GLU B 50 45.205 4.698 60.485 1.000 41.38 ATOM 2647 O GLU B 50 45.205 4.698 60.485 1.000 49.75 ATOM 2648 N LEU B 51 44.932 5.664 61.354 1.000 32.56 ATOM 2649 CA LEU B 51 44.611 8.073 61.767 1.000 28.37	MOTA	2630	N	GLU	В	49	42.798	3.704			
ATOM 2633 CG GLU B 49 43.562 1.476 66.331 1.000 71.11 ATOM 2634 CD GLU B 49 44.096 2.572 67.234 1.000 79.66 ATOM 2635 OE1 GLU B 49 43.360 2.978 68.161 1.000 77.35 ATOM 2636 OE2 GLU B 49 45.242 3.035 67.029 1.000 85.01 ATOM 2637 C GLU B 49 44.790 3.234 63.097 1.000 39.20 ATOM 2638 O GLU B 49 46.009 3.355 62.975 1.000 46.67 ATOM 2639 N GLU B 50 43.971 3.230 62.044 1.000 35.49 ATOM 2640 CA GLU B 50 44.513 3.352 60.694 1.000 43.74 ATOM 2641 CB GLU B 50 43.412 3.174 59.644 1.000 53.39 ATOM 2642 CG GLU B 50 42.601 1.900 59.756 1.000 64.71 ATOM 2643 CD GLU B 50 41.686 1.654 58.577 1.000 72.97 ATOM 2645 OE2 GLU B 50 41.888 0.646 57.858 1.000 85.76 ATOM 2646 C GLU B 50 40.752 2.456 58.346 1.000 70.73 ATOM 2646 C GLU B 50 45.205 4.698 60.485 1.000 41.38 ATOM 2648 N LEU B 51 44.932 5.664 61.354 1.000 32.56 ATOM 2649 CA LEU B 51 44.611 8.073 61.767 1.000 28.37 ATOM 2649 CA LEU B 51 44.611 8.073 61.767 1.000 28.37	MOTA	2631	CA	GLU	В	49	44.131	3.103			
ATOM 2634 CD GLU B 49 44.096 2.572 67.234 1.000 79.66 ATOM 2635 OE1 GLU B 49 43.360 2.978 68.161 1.000 77.35 ATOM 2636 OE2 GLU B 49 45.242 3.035 67.029 1.000 85.01 ATOM 2637 C GLU B 49 44.790 3.234 63.097 1.000 39.20 ATOM 2638 O GLU B 49 46.009 3.355 62.975 1.000 46.67 ATOM 2639 N GLU B 50 43.971 3.230 62.044 1.000 35.49 ATOM 2640 CA GLU B 50 44.513 3.352 60.694 1.000 43.74 ATOM 2641 CB GLU B 50 43.412 3.174 59.644 1.000 53.39 ATOM 2642 CG GLU B 50 42.601 1.900 59.756 1.000 64.71 ATOM 2643 CD GLU B 50 41.686 1.654 58.577 1.000 72.97 ATOM 2644 OE1 GLU B 50 41.888 0.646 57.858 1.000 85.76 ATOM 2645 OE2 GLU B 50 40.752 2.456 58.346 1.000 70.73 ATOM 2646 C GLU B 50 45.205 4.698 60.485 1.000 41.38 ATOM 2647 O GLU B 50 45.975 4.860 59.534 1.000 49.75 ATOM 2648 N LEU B 51 44.932 5.664 61.354 1.000 32.56 ATOM 2649 CA LEU B 51 44.611 8.073 61.767 1.000 28.37	MOTA	2632	CB	GLU	В	49	44.027	1.636	64.889		
ATOM 2635 OE1 GLU B 49 43.360 2.978 68.161 1.000 77.35 ATOM 2636 OE2 GLU B 49 45.242 3.035 67.029 1.000 85.01 ATOM 2637 C GLU B 49 44.790 3.234 63.097 1.000 39.20 ATOM 2638 O GLU B 49 46.009 3.355 62.975 1.000 46.67 ATOM 2639 N GLU B 50 43.971 3.230 62.044 1.000 35.49 ATOM 2640 CA GLU B 50 44.513 3.352 60.694 1.000 43.74 ATOM 2641 CB GLU B 50 43.412 3.174 59.644 1.000 53.39 ATOM 2642 CG GLU B 50 42.601 1.900 59.756 1.000 64.71 ATOM 2643 CD GLU B 50 41.686 1.654 58.577 1.000 72.97 ATOM 2644 OE1 GLU B 50 41.888 0.646 57.858 1.000 85.76 ATOM 2645 OE2 GLU B 50 40.752 2.456 58.346 1.000 70.73 ATOM 2646 C GLU B 50 45.205 4.698 60.485 1.000 41.38 ATOM 2648 N LEU B 51 44.932 5.664 61.354 1.000 32.56 ATOM 2649 CA LEU B 51 44.611 8.073 61.767 1.000 28.37 ATOM 2649 CA LEU B 51 44.611 8.073 61.767 1.000 28.37	MOTA	2633	CG	GLU	В	49	43.562	1.476	66.331	1.000	71.11
ATOM 2636 OE2 GLU B 49 45.242 3.035 67.029 1.000 85.01 ATOM 2637 C GLU B 49 44.790 3.234 63.097 1.000 39.20 ATOM 2638 O GLU B 49 46.009 3.355 62.975 1.000 46.67 ATOM 2639 N GLU B 50 43.971 3.230 62.044 1.000 35.49 ATOM 2640 CA GLU B 50 44.513 3.352 60.694 1.000 43.74 ATOM 2641 CB GLU B 50 43.412 3.174 59.644 1.000 53.39 ATOM 2642 CG GLU B 50 42.601 1.900 59.756 1.000 64.71 ATOM 2643 CD GLU B 50 41.686 1.654 58.577 1.000 72.97 ATOM 2644 OE1 GLU B 50 41.888 0.646 57.858 1.000 85.76 ATOM 2645 OE2 GLU B 50 40.752 2.456 58.346 1.000 70.73 ATOM 2646 C GLU B 50 45.205 4.698 60.485 1.000 49.75 ATOM 2648 N LEU B 51 44.932 5.664 61.354 1.000 32.566 ATOM 2649 CA LEU B 51 44.932 5.664 61.354 1.000 33.23 ATOM 2650 CB LEU B 51 44.611 8.073 61.767 1.000 28.37	ATOM	2634	CD	GLU	В	49	44.096	2.572	67.234	1.000	79.66
ATOM 2637 C GLU B 49 44.790 3.234 63.097 1.000 39.20 ATOM 2638 O GLU B 49 46.009 3.355 62.975 1.000 46.67 ATOM 2639 N GLU B 50 43.971 3.230 62.044 1.000 35.49 ATOM 2640 CA GLU B 50 44.513 3.352 60.694 1.000 43.74 ATOM 2641 CB GLU B 50 43.412 3.174 59.644 1.000 53.39 ATOM 2642 CG GLU B 50 42.601 1.900 59.756 1.000 64.71 ATOM 2643 CD GLU B 50 41.686 1.654 58.577 1.000 72.97 ATOM 2644 OE1 GLU B 50 41.888 0.646 57.858 1.000 85.76 ATOM 2645 OE2 GLU B 50 40.752 2.456 58.346 1.000 70.73 ATOM 2646 C GLU B 50 45.205 4.698 60.485 1.000 41.38 ATOM 2648 N LEU B 51 44.932 5.664 61.354 1.000 32.56 ATOM 2649 CA LEU B 51 44.932 5.664 61.354 1.000 33.23 ATOM 2650 CB LEU B 51 44.611 8.073 61.767 1.000 28.37	MOTA	2635	OE1	GLU	В	49	43.360	2.978	68.161	1.000	77.35
ATOM 2638 O GLU B 49 46.009 3.355 62.975 1.000 46.67 ATOM 2639 N GLU B 50 43.971 3.230 62.044 1.000 35.49 ATOM 2640 CA GLU B 50 44.513 3.352 60.694 1.000 43.74 ATOM 2641 CB GLU B 50 43.412 3.174 59.644 1.000 53.39 ATOM 2642 CG GLU B 50 42.601 1.900 59.756 1.000 64.71 ATOM 2643 CD GLU B 50 41.686 1.654 58.577 1.000 72.97 ATOM 2644 OE1 GLU B 50 41.888 0.646 57.858 1.000 85.76 ATOM 2645 OE2 GLU B 50 40.752 2.456 58.346 1.000 70.73 ATOM 2646 C GLU B 50 45.205 4.698 60.485 1.000 41.38 ATOM 2648 N LEU B 51 44.932 5.664 61.354 1.000 32.56 ATOM 2649 CA LEU B 51 44.932 5.664 61.354 1.000 33.23 ATOM 2650 CB LEU B 51 44.611 8.073 61.767 1.000 28.37	MOTA	2636	OE2	GLU	В	49	45.242	3.035	67.029	1.000	85.01
ATOM 2639 N GLU B 50 43.971 3.230 62.044 1.000 35.49 ATOM 2640 CA GLU B 50 44.513 3.352 60.694 1.000 43.74 ATOM 2641 CB GLU B 50 43.412 3.174 59.644 1.000 53.39 ATOM 2642 CG GLU B 50 42.601 1.900 59.756 1.000 64.71 ATOM 2643 CD GLU B 50 41.686 1.654 58.577 1.000 72.97 ATOM 2644 OE1 GLU B 50 41.888 0.646 57.858 1.000 85.76 ATOM 2645 OE2 GLU B 50 40.752 2.456 58.346 1.000 70.73 ATOM 2646 C GLU B 50 45.205 4.698 60.485 1.000 41.38 ATOM 2647 O GLU B 50 45.975 4.860 59.534 1.000 49.75 ATOM 2648 N LEU B 51 44.932 5.664 61.354 1.000 32.56 ATOM 2649 CA LEU B 51 44.611 8.073 61.767 1.000 28.37	MOTA	2637	С	GLU	В	49	44.790	3.234			39.20
ATOM 2640 CA GLU B 50 44.513 3.352 60.694 1.000 43.74 ATOM 2641 CB GLU B 50 43.412 3.174 59.644 1.000 53.39 ATOM 2642 CG GLU B 50 42.601 1.900 59.756 1.000 64.71 ATOM 2643 CD GLU B 50 41.686 1.654 58.577 1.000 72.97 ATOM 2644 OE1 GLU B 50 41.888 0.646 57.858 1.000 85.76 ATOM 2645 OE2 GLU B 50 40.752 2.456 58.346 1.000 70.73 ATOM 2646 C GLU B 50 45.205 4.698 60.485 1.000 41.38 ATOM 2647 O GLU B 50 45.975 4.860 59.534 1.000 49.75 ATOM 2648 N LEU B 51 44.932 5.664 61.354 1.000 32.56 ATOM 2649 CA LEU B 51 45.542 6.982 61.247 1.000 33.23 ATOM 2650 CB LEU B 51 44.611 8.073 61.767 1.000 28.37	MOTA	2638	0	GLU	В	49	46.009	3.355	62.975	1.000	46.67
ATOM 2640 CA GLU B 50 44.513 3.352 60.694 1.000 43.74 ATOM 2641 CB GLU B 50 43.412 3.174 59.644 1.000 53.39 ATOM 2642 CG GLU B 50 42.601 1.900 59.756 1.000 64.71 ATOM 2643 CD GLU B 50 41.686 1.654 58.577 1.000 72.97 ATOM 2644 OE1 GLU B 50 41.888 0.646 57.858 1.000 85.76 ATOM 2645 OE2 GLU B 50 40.752 2.456 58.346 1.000 70.73 ATOM 2646 C GLU B 50 45.205 4.698 60.485 1.000 41.38 ATOM 2647 O GLU B 50 45.975 4.860 59.534 1.000 49.75 ATOM 2648 N LEU B 51 44.932 5.664 61.354 1.000 32.56 ATOM 2649 CA LEU B 51 45.542 6.982 61.247 1.000 33.23 ATOM 2650 CB LEU B 51 44.611 8.073 61.767 1.000 28.37	MOTA	2639	N	GLU	В	50	43.971	3.230	62.044	1.000	35.49
ATOM 2641 CB GLU B 50 43.412 3.174 59.644 1.000 53.39 ATOM 2642 CG GLU B 50 42.601 1.900 59.756 1.000 64.71 ATOM 2643 CD GLU B 50 41.686 1.654 58.577 1.000 72.97 ATOM 2644 OE1 GLU B 50 41.888 0.646 57.858 1.000 85.76 ATOM 2645 OE2 GLU B 50 40.752 2.456 58.346 1.000 70.73 ATOM 2646 C GLU B 50 45.205 4.698 60.485 1.000 41.38 ATOM 2647 O GLU B 50 45.975 4.860 59.534 1.000 49.75 ATOM 2648 N LEU B 51 44.932 5.664 61.354 1.000 32.56 ATOM 2649 CA LEU B 51 45.542 6.982 61.247 1.000 33.23 ATOM 2650 CB LEU B 51 44.611 8.073 61.767 1.000 28.37	ATOM		CA			50	44.513	3.352	60.694	1.000	43.74
ATOM 2642 CG GLU B 50 42.601 1.900 59.756 1.000 64.71 ATOM 2643 CD GLU B 50 41.686 1.654 58.577 1.000 72.97 ATOM 2644 OE1 GLU B 50 41.888 0.646 57.858 1.000 85.76 ATOM 2645 OE2 GLU B 50 40.752 2.456 58.346 1.000 70.73 ATOM 2646 C GLU B 50 45.205 4.698 60.485 1.000 41.38 ATOM 2647 O GLU B 50 45.975 4.860 59.534 1.000 49.75 ATOM 2648 N LEU B 51 44.932 5.664 61.354 1.000 32.56 ATOM 2649 CA LEU B 51 45.542 6.982 61.247 1.000 33.23 ATOM 2650 CB LEU B 51 44.611 8.073 61.767 1.000 28.37			СВ			50	43.412	3.174	59.644	1.000	53.39
ATOM 2643 CD GLU B 50 41.686 1.654 58.577 1.000 72.97 ATOM 2644 OE1 GLU B 50 41.888 0.646 57.858 1.000 85.76 ATOM 2645 OE2 GLU B 50 40.752 2.456 58.346 1.000 70.73 ATOM 2646 C GLU B 50 45.205 4.698 60.485 1.000 41.38 ATOM 2647 O GLU B 50 45.975 4.860 59.534 1.000 49.75 ATOM 2648 N LEU B 51 44.932 5.664 61.354 1.000 32.56 ATOM 2649 CA LEU B 51 45.542 6.982 61.247 1.000 33.23 ATOM 2650 CB LEU B 51 44.611 8.073 61.767 1.000 28.37			CG						59.756	1.000	64.71
ATOM 2644 OE1 GLU B 50 41.888 0.646 57.858 1.000 85.76 ATOM 2645 OE2 GLU B 50 40.752 2.456 58.346 1.000 70.73 ATOM 2646 C GLU B 50 45.205 4.698 60.485 1.000 41.38 ATOM 2647 O GLU B 50 45.975 4.860 59.534 1.000 49.75 ATOM 2648 N LEU B 51 44.932 5.664 61.354 1.000 32.56 ATOM 2649 CA LEU B 51 45.542 6.982 61.247 1.000 33.23 ATOM 2650 CB LEU B 51 44.611 8.073 61.767 1.000 28.37							41.686	1.654	58.577	1.000	72.97
ATOM 2645 OE2 GLU B 50 40.752 2.456 58.346 1.000 70.73 ATOM 2646 C GLU B 50 45.205 4.698 60.485 1.000 41.38 ATOM 2647 O GLU B 50 45.975 4.860 59.534 1.000 49.75 ATOM 2648 N LEU B 51 44.932 5.664 61.354 1.000 32.56 ATOM 2649 CA LEU B 51 45.542 6.982 61.247 1.000 33.23 ATOM 2650 CB LEU B 51 44.611 8.073 61.767 1.000 28.37									57.858	1.000	85.76
ATOM 2646 C GLU B 50 45.205 4.698 60.485 1.000 41.38 ATOM 2647 O GLU B 50 45.975 4.860 59.534 1.000 49.75 ATOM 2648 N LEU B 51 44.932 5.664 61.354 1.000 32.56 ATOM 2649 CA LEU B 51 45.542 6.982 61.247 1.000 33.23 ATOM 2650 CB LEU B 51 44.611 8.073 61.767 1.000 28.37											
ATOM 2647 O GLU B 50 45.975 4.860 59.534 1.000 49.75 ATOM 2648 N LEU B 51 44.932 5.664 61.354 1.000 32.56 ATOM 2649 CA LEU B 51 45.542 6.982 61.247 1.000 33.23 ATOM 2650 CB LEU B 51 44.611 8.073 61.767 1.000 28.37											
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ATOM 2649 CA LEU B 51 45.542 6.982 61.247 1.000 33.23 ATOM 2650 CB LEU B 51 44.611 8.073 61.767 1.000 28.37											
ATOM 2650 CB LEU B 51 44.611 8.073 61.767 1.000 28.37											

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MOTA	2652		LEU		51	42.246	8.901	61.799		
ATOM	2653	CD2	LEU	В	51	43.720	9.389	59.828	1.000	
ATOM	2654	С	LEU	В	51	46.840	7.056	62.042	1.000	38.45
ATOM	2655	0	LEU	В	51	47.503	8.091	62.030	1.000	31.93
ATOM	2656	N	LYS	В	52	47.146	5.957	62.721	1.000	40.28
ATOM	2657	CA	LYS		52	48.274	5.912	63.641	1.000	42.24
ATOM	2658	CB	LYS		52	48.513	4.470	64.104	1.000	40.97
ATOM	2659	CG	LYS		52	49.510	4.333	65.238	1.000	
ATOM	2660	CD	LYS		52	49.041	3.361	66.306		
			LYS		52	49.390	3.867	67.700	1.000	
ATOM	2661	CE			52	50.844	4.180	67.830		76.71
ATOM	2662	NZ	LYS						1.000	
MOTA	2663	C	LYS		52	49.556	6.482	63.033		
ATOM	2664	0	LYS		52	50.231	7.281	63.679	1.000	
ATOM	2665	N	ASP		53	49.860	6.073	61.826	1.000	
MOTA	2666	CA	ASP		53	51.069	6.209	61.057		45.09
MOTA	2667	CB	ASP		53	51.162	5.010	60.082	1.000	
MOTA	2668	CG	ASP		53	49.852	4.773	59.352		58.20
ATOM	2669	OD1	ASP	В	53	48.816	4.532	60.008	1.000	47.71
MOTA	2670	OD2	ASP	В	53	49.828	4.823	58.101	1.000	71.83
ATOM	2671	С	ASP	В	53	51.159	7.483	60.225	1.000	42.44
ATOM	2672	0	ASP		53	52.242	7.872	59.785	1.000	38.32
ATOM	2673	N	VAL		54	50.014	8.111	59.996	1.000	33.25
ATOM	2674	CA	VAL		54	49.943	9.247	59.080		30.88
ATOM	2675	CB	VAL		54	48.498	9.764	58.989	1.000	
ATOM	2676	CG1	VAL		54	48.409	11.060	58.194		
	2677	CG2			54	47.599	8.696	58.361		
MOTA					54	50.917	10.340	59.504	1.000	
ATOM	2678	C	VAL					60.638		
MOTA	2679	0	VAL		54	50.929	10.809			
ATOM	2680	N	GLY		55	51.766	10.722	58.562		
MOTA	2681	CA	GLY		55	52.749	11.767	58.654	1.000	
ATOM	2682	С	GLY		55	53.995	11.423	59.430	1.000	
MOTA	2683	0	GLY		55	54.923	12.232	59.538	1.000	
MOTA	2684	N	ARG		56	54.036	10.221	60.001		27.19
MOTA	2685	CA	ARG	В	56	55.133	9.904	60.919		34.78
MOTA	2686	CB	ARG	В	56	54.724	8.753	61.847	1.000	36.03
MOTA	2687	CG	ARG	В	56	53.643	9.120	62.851	1.000	31.22
ATOM	2688	CD	ARG	В	56	54.128	10.152	63.853		34.70
MOTA	2689	NE	ARG	В	56	53.193	10.340	64.954	1.000	46.39
ATOM	2690	CZ	ARG	В	56	53.205	9.786	66.155	1.000	39.08
MOTA	2691		ARG	В	56	54.165	8.935	66.471	1.000	26.47
ATOM	2692		ARG		56	52.270	10.066	67.063		
MOTA	2693	С	ARG		56	56.425	9.574	60.187		
ATOM	2694	Õ	ARG		56	57.415	9.186	60.808		
	2695	N	ASN		57	56.415	9.743	58.871		
ATOM						57.583	9.563	58.028		
ATOM	2696	CA	ASN		57 57					
MOTA	2697	CB	ASN		57 57	57.146	9.244	56.587 56.026		
ATOM	2698	CG	ASN		57	56.145	10.235			
MOTA	2699		ASN		57	55.184	10.631	56.689		
ATOM	2700		ASN		57	56.334	10.662	54.780		
ATOM	2701	С	ASN		57	58.478	10.794	58.001		
MOTA	2702	0	ASN		57	59.628	10.706	57.573		
ATOM	2703	N	GLN	В	58	57.985	11.955	58.419	1.000	33.50

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ATOM	2704	CA	GLN		58	58.765	13.190	58.281		
MOTA	2705	CB	GLN	В	58	57.838	14.389	58.063	1.000	
ATOM	2706	CG	GLN	В	58	57.016	14.302	56.782	1.000	22.41
ATOM	2707	CD	GLN	В	58	55.700	15.058	56.891	1.000	23.88
MOTA	2708	OE1	GLN	В	58	54.809	14.711	57.668	1.000	33.63
ATOM	2709	NE2	GLN	В	58	55.545	16.114	56.113	1.000	22.62
ATOM	2710	С	GLN		58	59.652	13.445	59.490	1.000	25.07
ATOM	2711	Ō	GLN		58	59.327	13.045	60.608	1.000	29.18
ATOM	2712	N	SER		59	60.773	14.121	59.261		17.59
ATOM	2713	CA	SER		59	61.737	14.383	60.317	1.000	
ATOM	2713	CB	SER		59	63.157	14.310	59.752	1.000	
		OG	SER		59	63.355	15.365	58.819	1.000	
MOTA	2715		-			61.503		60.971	1.000	
ATOM	2716	C	SER		59		15.745		1.000	
ATOM	2717	0	SER		59	60.751	16.555	60.421		
ATOM	2718	N	-	В	60	62.142	15.962	62.108	1.000	
ATOM	2719	CA	CYS		60	62.088	17.174	62.901	1.000	
ATOM	2720	CB	CYS		60	61.291	16.938	64.187	1.000	
MOTA	2721	SG	CYS	В	60	59.563	16.490	63.935		44.06
MOTA	2722	С	CYS	В	60	63.483	17.658	63.294	1.000	
MOTA	2723	0	CYS	В	60	63.697	17.986	64.466		32.10
ATOM	2724	N	ASP	В	61	64.399	17.692	62.342	1.000	27.28
ATOM	2725	CA	ASP	В	61	65.796	18.026	62.568	1.000	27.04
ATOM	2726	CB	ASP	В	61	66.567	17.889	61.242	1.000	38.19
ATOM	2727	CG		В	61	66.412	16.519	60.605	1.000	50.13
ATOM	2728			В	61	66.494	15.504	61.335	1.000	46.12
MOTA	2729	OD2		В	61	66.204	16.442	59.370	1.000	33.84
ATOM	2730	C		В	61	66.010	19.431	63.103	1.000	25.10
ATOM	2731	Ö	ASP		61	66.821	19.666	63.995	1.000	
ATOM	2732	N	ILE	В	62	65.315	20.420	62.536	1.000	
ATOM	2733	CA	ILE	В	62	65.582	21.807	62.924		30.27
ATOM	2734	CB		В	62	64.816	22.824	62.061		30.17
	2735	CG1	ILE		62	65.175	22.724	60.577	1.000	
MOTA		CD1	ILE		62	66.676	22.691	60.345	1.000	
MOTA	2736						24.244	62.584	1.000	
ATOM	2737	CG2	ILE		62	65.010		64.382		32.48
ATOM	2738	С	ILE		62	65.202	22.019		1.000	
ATOM	2739	0	ILE		62	65.907	22.658	65.156		
ATOM	2740	N	ALA		63	64.048	21.444	64.738	1.000	
MOTA	2741	CA	ALA		63	63.649	21.631	66.136	1.000	26.52
ATOM	2742	CB	ALA		63	62.232	21.116	66.313		
MOTA	2743	С	ALA		63	64.643	20.948	67.058		
ATOM	2744	0	ALA		63	64.789	21.266	68.235		
MOTA	2745	N	LEU	В	64	65.380	19.963	66.558		
MOTA	2746	CA	LEU	В	64	66.274	19.228	67.458		
MOTA	2747	CB	LEU	В	64	66.389	17.787	66.957		
MOTA	2748	CG	LEU	В	64	65.227	16.867	67.351	1.000	34.44
ATOM	2749	CD1	LEU	В	64	65.292	15.577	66.547	1.000	29.17
ATOM	2750		LEU		64	65.242	16.616	68.853	1.000	22.34
ATOM	2751	С	LEU		64	67.641	19.880	67.584		
ATOM	2752	Ö	LEU		64	68.466	19.505	68.423		
ATOM	2753	N	LEU		65	67.910	20.882	66.752		
ATOM	2754	CA	LEU		65	69.194	21.567	66.816		
MOTA	2755	CB	LEU		65	69.248	22.693	65.788		
111011	2133	72		_	J-0	33.410		3400		

ATOM 2756 CG LEU B 65 69.163 22.287 64.320 1.000 39.84 ATOM 2757 CD1 LEU B 65 68.898 23.516 63.459 1.000 36.27 ATOM 2759 C LEU B 65 70.432 21.526 63.880 1.000 36.27 ATOM 2759 C LEU B 65 69.438 22.122 68.218 1.000 36.38 ATOM 2761 N PRO B 65 69.438 22.122 68.218 1.000 45.15 ATOM 2761 N PRO B 65 68.526 22.006 68.893 1.000 40.515 ATOM 2762 CA PRO B 66 71.066 22.026 68.657 1.000 51.26 ATOM 2763 CB PRO B 66 71.066 22.422 70.011 1.000 54.26 ATOM 2763 CB PRO B 66 72.910 21.394 68.918 1.000 46.70 ATOM 2764 CG PRO B 66 72.910 21.394 68.918 1.000 46.70 ATOM 2765 CD PRO B 66 70.553 23.796 70.415 1.000 50.86 ATOM 2767 O PRO B 66 70.553 23.796 70.415 1.000 50.86 ATOM 2767 O PRO B 66 70.105 23.966 71.552 1.000 48.53 ATOM 2767 O PRO B 66 70.105 23.966 71.552 1.000 48.53 ATOM 2769 CA GLU B 67 70.616 24.767 69.510 1.000 51.43 ATOM 2771 CG GLU B 67 70.800 27.124 68.885 1.000 55.43 ATOM 2772 CD GLU B 67 70.800 27.124 68.885 1.000 55.43 ATOM 2773 OEI GLU B 67 70.100 29.91.59 71.733 1.000 81.38 ATOM 2774 OE2 GLU B 67 72.110 28.959 71.733 1.000 81.38 ATOM 2776 O GLU B 67 72.110 28.959 71.733 1.000 81.38 ATOM 2777 N ASN B 68 66.296 27.474 70.196 1.000 51.43 ATOM 2776 O GLU B 67 72.110 28.959 71.733 1.000 81.38 ATOM 2777 N ASN B 68 66.296 27.474 70.196 1.000 60.23 ATOM 2777 N ASN B 68 66.296 27.474 70.196 1.000 46.00 ATOM 2778 OEI GLU B 67 72.110 28.959 71.733 1.000 81.38 ATOM 2779 CB ASN B 68 66.296 27.474 70.196 1.000 40.60 ATOM 2780 CG ASN B 68 66.296 27.474 70.196 1.000 40.60 ATOM 2780 CG ASN B 68 66.296 27.474 70.196 1.000 40.60 ATOM 2780 CG ASN B 68 66.296 27.474 70.196 1.000 40.60 ATOM 2780 CG ASN B 68 66.296 27.474 70.196 1.000 40.60 ATOM 2780 CG ASN B 68 66.296 27.474 70.196 1.000 40.60 ATOM 2780 CG ASN B 68 66.296 27.474 70.196 1.000 40.60 ATOM 2780 CG ASN B 68 66.296 27.474 70.196 1.000 40.60 ATOM 2780 CG ASN B 68 66.296 27.474 70.196 1.000 40.60 ATOM 2780 CG ASN B 68 66.296 27.474 70.196 1.000 40.60 ATOM 2780 CG ASN B 69 66.60 ATOM 2780 CG A											
ATOM 2759 CD2 LEU B 65 70.432 21.567 63.880 1.000 36.27 ATOM 2759 C LEU B 65 69.438 22.122 68.218 1.000 40.63 ATOM 2761 N PRO B 65 68.526 22.006 68.883 1.000 40.63 ATOM 2761 N PRO B 66 70.686 22.026 68.657 1.000 45.15 ATOM 2762 CA PRO B 66 71.066 22.022 69.931 1.000 52.68 ATOM 2763 CB PRO B 66 71.066 22.025 69.931 1.000 52.68 ATOM 2764 CG PRO B 66 72.601 22.452 69.931 1.000 46.70 ATOM 2765 CD PRO B 66 72.910 21.394 68.918 1.000 46.70 ATOM 2766 C PRO B 66 71.831 21.512 67.881 1.000 44.70 ATOM 2767 O PRO B 66 70.155 23.366 71.552 1.000 50.86 ATOM 2767 O PRO B 66 70.155 23.366 71.552 1.000 48.53 ATOM 2768 N GLU B 67 70.616 24.767 69.510 1.000 51.43 ATOM 2769 CA GLU B 67 70.250 26.137 69.872 1.000 51.43 ATOM 2769 CB GLU B 67 70.800 27.124 68.885 1.000 45.73 ATOM 2771 CG GLU B 67 70.800 27.124 68.885 1.000 55.34 ATOM 2772 CD GLU B 67 70.109 29.159 70.864 1.000 71.70 ATOM 2773 0E1 GLU B 67 70.109 29.159 70.864 1.000 60.23 ATOM 2774 0E2 GLU B 67 70.109 29.159 70.864 1.000 60.23 ATOM 2775 C GLU B 67 70.109 29.159 70.864 1.000 60.23 ATOM 2776 O GLU B 67 70.109 29.159 70.864 1.000 60.23 ATOM 2777 N ASN B 68 66.494 25.314 69.711 1.000 46.69 ATOM 2777 N ASN B 68 66.494 25.314 69.711 1.000 40.69 ATOM 2778 CA ASN B 68 66.494 25.314 69.711 1.000 31.61 ATOM 2780 CG ASN B 68 66.494 25.314 69.711 1.000 31.61 ATOM 2780 CG ASN B 68 66.494 25.314 69.711 1.000 31.61 ATOM 2780 CG ASN B 68 66.494 25.318 69.71 31 0.00 81.89 ATOM 2781 CA ASN B 68 66.494 25.318 70.093 1.000 81.89 ATOM 2780 CG ASN B 68 66.494 25.318 70.093 1.000 81.89 ATOM 2780 CG ASN B 68 66.494 25.318 70.093 1.000 81.89 ATOM 2780 CG ASN B 68 66.494 25.318 70.093 1.000 81.89 ATOM 2780 CG ASN B 68 66.494 25.318 70.093 1.000 81.89 ATOM 2780 CG ASN B 68 66.494 25.318 70.093 1.000 81.89 ATOM 2780 CG ASN B 68 66.494 25.318 70.093 1.000 81.89 ATOM 2780 CG ASN B 68 66.494 25.318 70.093 1.000 81.89 ATOM 2780 CG ASN B 68 66.494 25.318 70.093 1.000 81.89 ATOM 2781 CA ASN B 68 66.494 25.318 70.093 1.000 81.89 ATOM 2782 CD ARG B 69 66.494 25.318 70.093 1.000 81.89 ATOM 2784 CA ASN B	MOTA	2756	CG	LEU	В	65	69.163	22.287	64.320	1.000	39.84
ATOM 2759 C LEU B 65 68.438 22.122 68.218 1.000 36.38 ATOM 2760 O LEU B 65 68.526 22.0606 68.893 1.000 40.63 ATOM 2761 N PRO B 66 70.686 22.026 68.657 1.000 45.15 ATOM 2762 CA PRO B 66 71.066 22.422 70.011 1.000 54.26 ATOM 2763 CB PRO B 66 77.601 22.452 69.931 1.000 44.70 ATOM 2765 CD PRO B 66 72.601 21.394 68.918 1.000 46.70 ATOM 2765 CD PRO B 66 72.910 21.394 68.918 1.000 46.70 ATOM 2765 CD PRO B 66 70.553 23.796 70.415 1.000 50.86 ATOM 2767 O PRO B 66 70.553 23.796 70.415 1.000 50.86 ATOM 2767 O PRO B 66 70.553 23.796 70.415 1.000 50.86 ATOM 2767 O PRO B 66 70.105 23.966 71.552 1.000 48.53 ATOM 2767 CB GLU B 67 70.265 26.137 69.872 1.000 51.81 ATOM 2767 CB GLU B 67 70.265 26.137 69.872 1.000 51.81 ATOM 2770 CB GLU B 67 70.880 27.124 68.885 1.000 55.34 ATOM 2771 CG GLU B 67 71.814 28.138 69.522 1.000 71.70 ATOM 2772 CD GLU B 67 71.814 28.138 69.522 1.000 71.70 ATOM 2773 OEL GLU B 67 71.814 28.138 69.522 1.000 71.70 ATOM 2775 C GLU B 67 70.109 29.159 70.864 1.000 60.23 ATOM 2775 C GLU B 67 70.109 29.159 70.864 1.000 60.23 ATOM 2776 O GLU B 67 68.745 26.354 69.938 1.000 40.69 ATOM 2778 CA ASN B 68 66.494 25.487 69.755 1.000 38.60 ATOM 2778 CB ASN B 68 66.494 25.487 69.755 1.000 38.60 ATOM 2780 CB ASN B 68 66.494 25.487 69.755 1.000 38.60 ATOM 2780 CB ASN B 68 66.5825 24.980 68.477 1.000 33.61 ATOM 2780 CB ASN B 68 66.582 52 4.980 68.477 1.000 33.61 ATOM 2781 ODL ASN B 68 66.5825 24.980 68.477 1.000 31.83 ATOM 2781 ODL ASN B 68 66.582 52 4.980 68.477 1.000 31.83 ATOM 2781 ODL ASN B 68 66.603 25.160 66.000 1.000 31.89 ATOM 2782 ND2 ASN B 68 66.603 25.160 66.000 1.000 31.89 ATOM 2782 ND2 ASN B 68 66.603 25.160 66.000 1.000 31.89 ATOM 2780 CB ASN B 68 66.603 25.160 66.000 1.000 31.89 ATOM 2780 CB ASN B 68 66.603 25.160 66.000 1.000 31.89 ATOM 2780 CB ASN B 68 66.603 25.160 66.000 1.000 31.89 ATOM 2780 CB ASN B 68 66.603 25.160 66.000 1.000 31.89 ATOM 2780 CB ASN B 68 66.603 25.160 66.000 1.000 31.89 ATOM 2780 CB ASN B 68 66.603 25.160 66.000 1.000 31.80 ATOM 2780 CB ASN B 69 66.605 25.200 72.792 1.000 41.44 ATOM 27	MOTA	2757	CD1	LEU	В	65	68.898	23.516	63.459	1.000	38.18
ATOM 2759 C LEU B 65 68.526 22.122 68.218 1.000 36.38 ATOM 2761 N PRO B 66 70.686 22.026 68.657 1.000 45.15 ATOM 2761 CA PRO B 66 71.066 22.026 68.657 1.000 45.15 ATOM 2762 CA PRO B 66 71.066 22.022 70.011 1.000 54.26 ATOM 2763 CB PRO B 66 72.601 22.452 69.931 1.000 52.64 ATOM 2765 CD PRO B 66 72.910 21.394 68.918 1.000 44.93 ATOM 2765 CD PRO B 66 71.831 21.512 67.881 1.000 44.93 ATOM 2767 O PRO B 66 70.553 23.796 70.415 1.000 54.56 ATOM 2767 O PRO B 66 70.553 23.796 70.415 1.000 50.85 ATOM 2768 N GLU B 67 70.553 23.796 70.415 1.000 51.81 ATOM 2769 CA GLU B 67 70.616 24.767 69.510 1.000 51.81 ATOM 2767 CB GLU B 67 70.250 26.137 69.872 1.000 51.81 ATOM 2770 CB GLU B 67 70.250 26.137 69.872 1.000 51.81 ATOM 2771 CG GLU B 67 70.280 27.124 68.885 1.000 55.34 ATOM 2771 CG GLU B 67 70.280 27.124 68.885 1.000 55.34 ATOM 2772 CD GLU B 67 70.280 27.124 68.885 1.000 55.34 ATOM 2773 OEL GLU B 67 70.190 28.959 71.733 1.000 81.38 ATOM 2775 C GLU B 67 70.190 29.159 70.884 1.000 60.23 ATOM 2775 C GLU B 67 70.190 29.159 70.894 1.000 71.70 ATOM 2776 C GLU B 67 70.190 29.159 70.894 1.000 48.84 ATOM 2775 C GLU B 67 70.190 29.159 70.894 1.000 48.84 ATOM 2775 C GLU B 67 70.190 29.159 70.894 1.000 48.84 ATOM 2776 C GLU B 67 70.190 29.159 70.894 1.000 48.84 ATOM 2778 CA ASN B 68 66.494 25.497 69.755 1.000 38.60 ATOM 2780 CB ASN B 68 66.494 25.4980 68.477 1.000 39.60 ATOM 2780 CB ASN B 68 66.494 25.4980 68.477 1.000 31.83 ATOM 2781 CB ASN B 68 66.494 25.4980 68.477 1.000 31.83 ATOM 2781 CB ASN B 68 66.494 25.4980 68.477 1.000 31.83 ATOM 2781 CB ASN B 68 66.494 25.4980 68.477 1.000 31.83 ATOM 2781 CB ASN B 68 66.503 25.160 66.000 1.000 31.83 ATOM 2780 CB ASN B 68 66.494 25.4980 68.477 1.000 31.83 ATOM 2781 CB ASN B 68 66.494 25.4980 68.477 1.000 31.83 ATOM 2781 CB ASN B 68 66.494 25.4980 68.477 1.000 31.83 ATOM 2781 CB ASN B 68 66.494 25.4980 68.477 1.000 31.83 ATOM 2781 CB ASN B 68 66.494 25.4980 68.477 1.000 31.83 ATOM 2781 CB ASN B 68 66.494 25.4980 68.477 1.000 31.83 ATOM 2781 CB ASN B 68 66.494 25.4980 68.477 1.000 31.83 ATOM 2781	ATOM	2758	CD2	LEU	В	65	70.432	21.567	63.880	1.000	36.27
ATOM 2761 N PRO 8 66 70.686 22.026 68.883 1.000 40.63 ATOM 2762 CA PRO B 66 71.066 22.026 68.657 1.000 45.15 ATOM 2762 CA PRO B 66 71.066 22.022 70.011 1.000 54.26 ATOM 2763 CB PRO B 66 71.066 22.422 70.011 1.000 54.26 ATOM 2764 CG PRO B 66 72.601 22.452 69.931 1.000 44.93 ATOM 2765 CD PRO B 66 72.910 21.394 68.918 1.000 44.93 ATOM 2766 C PRO B 66 70.553 23.966 71.552 1.000 44.93 ATOM 2766 C PRO B 66 70.553 23.966 71.552 1.000 50.86 ATOM 2767 O PRO B 66 70.553 23.966 71.552 1.000 50.86 ATOM 2768 N GLU B 67 70.616 24.767 69.510 1.000 51.81 ATOM 2769 CA GLU B 67 70.880 27.124 68.885 1.000 55.34 ATOM 2771 CG GLU B 67 70.880 27.124 68.885 1.000 71.70 ATOM 2772 CD GLU B 67 71.814 28.138 69.522 1.000 71.70 ATOM 2773 OEI GLU B 67 71.814 28.138 69.522 1.000 71.70 ATOM 2774 OEZ GLU B 67 70.109 29.159 70.864 1.000 60.23 ATOM 2775 C GLU B 67 70.109 29.159 70.864 1.000 60.23 ATOM 2776 O GLU B 67 68.745 26.354 69.938 1.000 46.00 ATOM 2777 N ASN B 68 66.494 25.314 69.711 1.000 48.84 ATOM 2777 N ASN B 68 66.494 25.314 69.711 1.000 40.69 ATOM 2778 CA ASN B 68 66.494 25.487 69.755 1.000 36.03 ATOM 2779 CB ASN B 68 66.494 25.487 69.755 1.000 36.03 ATOM 2780 CG ASN B 68 66.494 25.487 69.755 1.000 36.03 ATOM 2781 ODI ASN B 68 66.504 26.952 71.233 1.000 33.61 ATOM 2782 ND2 ASN B 68 66.504 26.952 71.233 1.000 33.61 ATOM 2783 C ASN B 68 66.494 25.487 69.755 1.000 36.03 ATOM 2784 O ASN B 68 66.494 25.487 69.755 1.000 36.03 ATOM 2785 N ASG B 69 66.494 25.487 69.755 1.000 36.03 ATOM 2786 C ASN B 68 66.494 25.487 69.755 1.000 36.03 ATOM 2787 C ASN B 68 66.494 25.487 69.755 1.000 37.64 ATOM 2788 C ASN B 68 66.504 26.952 77.279 1.000 31.83 ATOM 2780 C ASN B 68 66.504 26.952 77.279 1.000 31.83 ATOM 2781 ODI ASN B 68 66.504 26.952 77.279 1.000 31.83 ATOM 2787 C ASR B 69 66.444 24.759 70.964 1.000 34.09 ATOM 2788 C ASR B 69 66.640 23.202 72.792 1.000 47.57 ATOM 2787 C ASG B 69 69.66.306 23.202 72.792 1.000 47.57 ATOM 2787 C ASG B 69 69.66.306 23.202 72.792 1.000 47.57 ATOM 2790 N ASG B 69 66.660 23.202 72.792 1.000 47.57 ATOM 2791 C ASG B 69						65	69.438	22.122	68.218	1.000	36.38
ATOM								22.606	68.883	1.000	40.63
ATOM 2762 CA PRO B 66 71.066 22.422 70.011 1.000 54.26 ATOM 2763 CB PRO B 66 72.601 22.452 69.931 1.000 52.66 ATOM 2764 CG PRO B 66 72.910 21.394 68.918 1.000 46.70 ATOM 2765 CD PRO B 66 72.601 22.452 69.931 1.000 46.70 ATOM 2766 C PRO B 66 70.553 23.796 70.415 1.000 48.53 ATOM 2767 O PRO B 66 70.553 23.796 70.415 1.000 51.81 ATOM 2768 N GLU B 67 70.616 24.767 69.510 1.000 51.81 ATOM 2769 CA GLU B 67 70.616 24.767 69.510 1.000 51.81 ATOM 2770 CB GLU B 67 70.880 27.124 68.885 1.000 55.34 ATOM 2771 CG GLU B 67 71.814 28.138 69.522 1.000 71.70 ATOM 2773 OEI GLU B 67 71.814 28.138 69.522 1.000 71.70 ATOM 2773 OEI GLU B 67 71.802 28.794 70.787 1.000 71.70 ATOM 2773 OEI GLU B 67 70.109 29.159 70.864 1.000 60.23 ATOM 2776 O GLU B 67 70.109 29.159 70.864 1.000 60.23 ATOM 2777 N ASN B 68 66.296 27.474 70.196 1.000 48.84 ATOM 2777 N ASN B 68 66.494 25.314 69.711 1.000 48.84 ATOM 2779 CB ASN B 68 66.494 25.314 69.711 1.000 33.61 ATOM 2779 CB ASN B 68 66.494 25.314 69.715 1.000 33.61 ATOM 2780 CG ASN B 68 66.494 25.4980 68.477 1.000 33.61 ATOM 2780 CG ASN B 68 66.494 25.4980 68.477 1.000 33.61 ATOM 2781 ODI ASN B 68 66.5825 24.980 68.477 1.000 33.61 ATOM 2782 ND2 ASN B 68 66.5914 24.759 70.964 1.000 31.83 ATOM 2783 C ASN B 68 66.5914 24.759 70.964 1.000 31.83 ATOM 2786 C A ASN B 68 66.5914 24.759 70.964 1.000 31.83 ATOM 2786 C A ASN B 68 66.795 24.038 71.235 1.000 34.09 ATOM 2786 C A ASN B 68 66.795 24.038 71.235 1.000 34.09 ATOM 2787 C B ARG B 69 66.306 23.202 72.799 1.000 41.44 ATOM 2789 C A ASN B 68 66.404 24.859 71.235 1.000 36.03 ATOM 2786 C A ASG B 69 66.306 23.202 72.799 1.000 31.83 ATOM 2786 C A ASG B 69 66.306 23.202 72.799 1.000 31.83 ATOM 2787 C B ARG B 69 66.862 21.108 71.235 1.000 37.64 ATOM 2789 C C ARG B 69 69.645 18.999 71.016 1.000 75.03 ATOM 2789 C C ARG B 69 69.645 18.999 71.016 1.000 37.46 ATOM 2790 NE ARG B 69 66.466 23.990 73.787 1.000 37.64 ATOM 2791 C ARG B 69 69.536 17.783 70.787 1.000 37.64 ATOM 2792 NH1 ARG B 69 69.646 23.990 73.787 1.000 37.64 ATOM 2793 NH2 ARG B 69 66.466 23.990 73.787 1.000 37			_							1.000	45.15
ATOM 2763 CB PRO B 66 72.601 22.452 69.931 1.000 52.68 ATOM 2764 CG PRO B 66 72.910 21.394 68.918 1.000 46.70 ATOM 2765 CD PRO B 66 72.910 21.394 68.918 1.000 44.93 ATOM 2766 C PRO B 66 70.155 23.796 70.415 1.000 50.86 ATOM 2767 O PRO B 66 70.155 23.966 71.552 1.000 48.53 ATOM 2768 N GLU B 67 70.616 24.767 69.570 1.000 51.81 ATOM 2769 CA GLU B 67 70.250 26.137 69.872 1.000 51.81 ATOM 2770 CB GLU B 67 70.880 27.124 68.885 1.000 55.34 ATOM 2771 CG GLU B 67 71.814 28.138 69.522 1.000 71.70 ATOM 2772 CD GLU B 67 71.814 28.138 69.522 1.000 71.70 ATOM 2773 OEI GLU B 67 71.814 28.138 69.522 1.000 77.75 ATOM 2773 OEI GLU B 67 70.100 29.159 70.864 1.000 60.23 ATOM 2775 C GLU B 67 70.100 29.159 70.864 1.000 60.23 ATOM 2776 O GLU B 67 68.296 27.474 70.196 1.000 48.84 ATOM 2777 N ASN B 68 66.494 25.314 69.715 1.000 48.84 ATOM 2778 CA ASN B 68 66.494 25.487 69.755 1.000 36.03 ATOM 2779 CB ASN B 68 66.494 25.487 69.755 1.000 36.03 ATOM 2779 CB ASN B 68 66.494 25.487 69.755 1.000 36.03 ATOM 2780 CG ASN B 68 66.504 26.952 67.287 1.000 31.83 ATOM 2781 ODI ASN B 68 66.504 26.952 67.287 1.000 31.83 ATOM 2782 ND2 ASN B 68 66.504 24.0595 71.733 1.000 31.83 ATOM 2784 O ASN B 68 66.504 24.0595 71.735 1.000 36.03 ATOM 2785 N ASG B 69 66.765 24.038 71.685 1.000 36.03 ATOM 2786 CA ASN B 68 66.504 22.7474 70.196 1.000 31.83 ATOM 2787 CB ASN B 68 66.504 22.7474 70.196 1.000 31.83 ATOM 2788 CG ASN B 68 66.504 24.038 71.685 1.000 36.03 ATOM 2786 CA ASG B 69 66.765 24.038 71.685 1.000 36.03 ATOM 2787 CB ASG B 69 66.765 24.038 71.685 1.000 36.03 ATOM 2788 CG ASG B 69 66.765 24.038 71.685 1.000 36.03 ATOM 2789 CD ARG B 69 66.862 21.108 71.802 1.000 31.83 ATOM 2789 CD ARG B 69 66.862 21.108 71.802 1.000 31.83 ATOM 2789 CD ARG B 69 66.862 21.108 71.802 1.000 31.83 ATOM 2789 CD ARG B 69 68.623 21.108 71.802 1.000 31.84 ATOM 2790 NE ARG B 69 69.536 17.838 70.975 1.000 41.44 ATOM 2791 CZ ARG B 69 69.645 18.999 71.016 1.000 77.54 ATOM 2792 NH1 ARG B 69 69.536 17.838 70.001 1.000 37.46 ATOM 2793 NH2 ARG B 69 69.536 17.838 70.001 1.000 37.46 ATOM 2800											
ATOM 2764 CG PRO B 66 72.910 21.394 68.918 1.000 46.70 ATOM 2765 CD PRO B 66 71.831 21.512 67.881 1.000 44.90 ATOM 2766 C PRO B 66 70.553 23.796 70.415 1.000 50.86 ATOM 2767 O PRO B 66 70.553 23.966 71.552 1.000 48.53 ATOM 2768 N GLU B 67 70.616 24.767 69.510 1.000 51.43 ATOM 2769 CA GLU B 67 70.616 24.767 69.510 1.000 51.43 ATOM 2770 CB GLU B 67 70.880 27.124 68.885 1.000 55.34 ATOM 2771 CG GLU B 67 71.814 28.138 69.522 1.000 71.75 ATOM 2772 CD GLU B 67 71.814 28.138 69.522 1.000 71.75 ATOM 2773 OE1 GLU B 67 71.814 28.138 69.522 1.000 71.75 ATOM 2774 OE2 GLU B 67 70.109 29.159 70.864 1.000 60.23 ATOM 2775 C GLU B 67 70.109 29.159 70.864 1.000 64.00 ATOM 2775 C GLU B 67 68.795 27.474 70.196 1.000 48.84 ATOM 2777 N ASN B 68 66.494 25.314 69.711 1.000 48.84 ATOM 2778 CA ASN B 68 66.494 25.487 69.755 1.000 36.03 ATOM 2778 CA ASN B 68 66.504 26.952 67.287 1.000 31.83 ATOM 2780 CG ASN B 68 66.504 26.952 67.287 1.000 31.83 ATOM 2780 CG ASN B 68 66.504 26.952 67.287 1.000 31.83 ATOM 2781 OD1 ASN B 68 66.504 26.952 67.287 1.000 31.83 ATOM 2782 ND2 ASN B 68 66.504 26.952 67.287 1.000 31.83 ATOM 2783 C ASN B 68 66.504 26.952 67.287 1.000 31.83 ATOM 2784 O ASN B 68 66.504 26.952 67.287 1.000 31.83 ATOM 2783 C ASN B 68 66.504 26.952 67.287 1.000 31.83 ATOM 2784 O ASN B 68 66.504 26.952 67.287 1.000 31.83 ATOM 2784 O ASN B 68 66.504 24.759 70.964 1.000 34.95 ATOM 2785 N ARG B 69 66.765 24.038 71.685 1.000 36.03 ATOM 2780 C ASN B 68 66.504 26.952 67.287 1.000 31.83 ATOM 2780 C ASN B 68 66.504 27.992 1.000 41.89 ATOM 2780 C ARG B 69 66.565 27.992 1.000 41.89 ATOM 2780 C ARG B 69 66.565 27.992 1.000 41.900 31.89 ATOM 2780 C ARG B 69 66.66.00 27.992 1.000 41.900 31.89 ATOM 2780 C ARG B 69 66.66.00 27.992 1.000 41.900 31.89 ATOM 2780 C ARG B 69 66.66.00 27.992 1.000 41.89 ATOM 2790 N E ARG B 69 66.66.00 27.992 7.094 1.000 37.46 ATOM 2790 N E ARG B 69 66.66.00 27.992 7.094 1.000 37.46 ATOM 2790 C ARG B 69 66.66.00 27.992 7.094 1.000 37.46 ATOM 2790 C ARG B 69 66.66.00 27.990 7.3.787 1.000 37.64 ATOM 2790 C ARG B 69 66.66.00 27.99											
ATOM 2765 CD PRO B 66											
ATOM 2766 C PRO B 66											
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ATOM 2776 O GLU B 67 68.296 27.474 70.196 1.000 48.84 ATOM 2777 N ASN B 68 67.944 25.314 69.711 1.000 40.69 ATOM 2778 CA ASN B 68 66.494 25.487 69.755 1.000 36.03 ATOM 2779 CB ASN B 68 66.494 25.487 69.755 1.000 39.69 ATOM 2780 CG ASN B 68 66.5825 24.980 68.477 1.000 39.69 ATOM 2781 OD1 ASN B 68 66.504 26.952 67.287 1.000 31.83 ATOM 2781 OD1 ASN B 68 66.504 26.952 67.287 1.000 31.83 ATOM 2782 ND2 ASN B 68 66.504 24.759 70.964 1.000 31.89 ATOM 2783 C ASN B 68 66.765 24.038 71.235 1.000 34.09 ATOM 2785 N ARG B 69 66.765 24.038 71.235 1.000 36.03 ATOM 2785 N ARG B 69 66.765 24.038 71.235 1.000 36.03 ATOM 2786 CA ARG B 69 66.306 23.202 72.792 1.000 41.44 ATOM 2787 CB ARG B 69 67.483 22.545 73.522 1.000 43.89 ATOM 2788 CG ARG B 69 68.623 21.108 71.802 1.000 63.54 ATOM 2790 NE ARG B 69 68.602 19.813 71.126 1.000 68.27 ATOM 2792 NH1 ARG B 69 69.645 18.999 71.016 1.000 73.48 ATOM 2792 NH1 ARG B 69 69.536 17.838 70.378 1.000 75.03 ATOM 2792 NH1 ARG B 69 69.536 17.838 70.378 1.000 37.64 ATOM 2795 C ARG B 69 66.4448 23.486 74.260 1.000 37.64 ATOM 2797 CA GLY B 70 65.885 25.212 74.117 1.000 32.41 ATOM 2797 CA GLY B 70 65.885 25.212 74.117 1.000 32.41 ATOM 2799 C ARG B 69 64.448 23.486 74.260 1.000 47.56 ATOM 2799 CA GLY B 70 65.885 25.212 74.117 1.000 32.41 ATOM 2799 CA GLY B 70 65.885 25.212 74.117 1.000 32.41 ATOM 2799 CA GLY B 70 65.885 25.212 74.117 1.000 32.41 ATOM 2799 CA GLY B 70 65.885 25.212 74.117 1.000 32.41 ATOM 2799 CA GLY B 70 65.885 25.212 74.117 1.000 32.41 ATOM 2799 CA GLY B 70 62.881 26.880 75.183 1.000 31.35 ATOM 2800 N LYS B 71 62.431 26.876 72.579 1.000 23.17 ATOM 2801 CA LYS B 71 62.809 27.437 71.205 1.000 23.17 ATOM 2802 CB LYS B 71 62.809 27.437 71.205 1.000 25.57 ATOM 2804 CD LYS B 71 62.809 27.437 71.205 1.000 25.57 ATOM 2804 CD LYS B 71 66.580 29.802 69.994 1.000 30.17 ATOM 2805 CE LYS B 71 66.580 29.802 69.994 1.000 37.46 ATOM 2805 NZ LYS B 71 66.580 29.802 69.994 1.000 30.17 ATOM 2805 CE LYS B 71 66.580 29.802 69.994 1.000 37.46 ATOM 2805 NZ LYS B 71 66.580 29.802 69.994 1.000 37.46	MOTA	2774	OE2	GLU	В	67	70.109	29.159	70.864	1.000	
ATOM 2778 CA ASN B 68 66.494 25.314 69.711 1.000 40.69 ATOM 2779 CB ASN B 68 66.494 25.487 69.755 1.000 36.03 ATOM 2779 CB ASN B 68 66.494 25.487 69.755 1.000 36.03 ATOM 2780 CG ASN B 68 66.147 25.780 67.233 1.000 33.61 ATOM 2781 OD1 ASN B 68 66.504 26.952 67.287 1.000 31.89 ATOM 2782 ND2 ASN B 68 66.038 25.160 66.060 1.000 31.89 ATOM 2783 C ASN B 68 66.038 25.160 66.060 1.000 31.89 ATOM 2783 C ASN B 68 66.765 24.038 71.235 1.000 47.57 ATOM 2785 N ARG B 69 66.765 24.038 71.235 1.000 47.57 ATOM 2785 CB ARG B 69 66.306 23.202 72.792 1.000 41.44 ATOM 2787 CB ARG B 69 67.790 21.126 73.075 1.000 54.59 ATOM 2789 CD ARG B 69 68.623 21.108 71.802 1.000 63.54 ATOM 2790 NE ARG B 69 68.602 19.813 71.126 1.000 63.54 ATOM 2791 CZ ARG B 69 69.645 18.999 71.016 1.000 75.03 ATOM 2792 NH1 ARG B 69 69.645 18.999 71.016 1.000 75.03 ATOM 2793 NH2 ARG B 69 69.536 17.838 70.378 1.000 75.53 ATOM 2795 C ARG B 69 69.645 18.999 71.016 1.000 75.03 ATOM 2796 C ARG B 69 69.645 18.999 71.016 1.000 75.03 ATOM 2797 CA ARG B 69 69.536 17.838 70.378 1.000 75.53 ATOM 2797 CA ARG B 69 69.536 17.838 70.378 1.000 75.03 ATOM 2797 CA ARG B 69 69.536 17.838 70.378 1.000 75.03 ATOM 2797 CA ARG B 69 69.536 17.838 70.378 1.000 75.53 ATOM 2799 C GLY B 70 65.885 25.212 74.117 1.000 32.41 ATOM 2797 CA ARG B 69 69.6448 23.486 74.260 1.000 47.56 ATOM 2799 C GLY B 70 65.885 25.212 74.117 1.000 32.41 ATOM 2799 C GLY B 70 65.885 25.212 74.117 1.000 32.41 ATOM 2799 C GLY B 70 65.885 25.212 74.117 1.000 32.44 ATOM 2800 N LYS B 71 62.881 26.880 75.183 1.000 28.40 ATOM 2801 CA LYS B 71 62.809 27.437 71.205 1.000 28.40 ATOM 2801 CA LYS B 71 62.809 27.437 71.205 1.000 23.17 ATOM 2802 CB LYS B 71 62.809 27.437 71.205 1.000 30.17 ATOM 2805 CE LYS B 71 64.674 28.583 70.010 1.000 30.17 ATOM 2805 CE LYS B 71 66.319 29.886 68.700 1.000 30.17 ATOM 2805 CE LYS B 71 66.319 29.886 68.700 1.000 30.17 ATOM 2805 CE LYS B 71 66.319 29.886 68.700 1.000 30.17	ATOM	2775	С	GLU	В	67	68.745	26.354	69.938	1.000	46.00
ATOM 2778 CA ASN B 68 66.494 25.487 69.755 1.000 36.03 ATOM 2779 CB ASN B 68 65.825 24.980 68.477 1.000 39.69 ATOM 2780 CG ASN B 68 66.147 25.780 67.233 1.000 33.61 ATOM 2781 OD1 ASN B 68 66.504 26.952 67.287 1.000 31.83 ATOM 2782 ND2 ASN B 68 66.504 26.952 67.287 1.000 31.83 ATOM 2783 C ASN B 68 66.504 26.952 67.287 1.000 31.83 ATOM 2783 C ASN B 68 65.914 24.759 70.964 1.000 34.09 ATOM 2784 O ASN B 68 64.719 24.859 71.235 1.000 47.57 ATOM 2785 N ARG B 69 66.765 24.038 71.685 1.000 36.03 ATOM 2786 CA ARG B 69 66.306 23.202 72.792 1.000 41.44 ATOM 2787 CB ARG B 69 67.483 22.545 73.522 1.000 43.89 ATOM 2788 C ARG B 69 67.493 22.545 73.522 1.000 43.89 ATOM 2788 CD ARG B 69 68.623 21.108 71.802 1.000 63.54 ATOM 2790 NE ARG B 69 68.623 21.108 71.802 1.000 63.54 ATOM 2791 CZ ARG B 69 69.645 18.999 71.016 1.000 73.48 ATOM 2792 NH1 ARG B 69 69.645 18.999 71.016 1.000 73.48 ATOM 2793 NH2 ARG B 69 69.645 18.999 71.016 1.000 73.48 ATOM 2793 NH2 ARG B 69 65.466 23.990 73.787 1.000 37.64 ATOM 2795 C ARG B 69 69.6536 17.838 70.378 1.000 37.64 ATOM 2795 C ARG B 69 65.466 23.990 73.787 1.000 37.64 ATOM 2795 C ARG B 69 69.654 18.999 71.016 1.000 75.03 ATOM 2795 C ARG B 69 65.466 23.990 73.787 1.000 37.64 ATOM 2795 C ARG B 69 65.466 23.990 73.787 1.000 37.64 ATOM 2795 C ARG B 69 65.466 23.990 73.787 1.000 37.64 ATOM 2795 C ARG B 69 64.448 23.486 74.260 1.000 47.56 ATOM 2795 C ARG B 70 65.885 25.212 74.117 1.000 32.41 ATOM 2797 CA GLY B 70 65.885 25.212 74.117 1.000 32.41 ATOM 2799 C GLY B 70 62.881 26.880 75.183 1.000 32.44 ATOM 2800 N LYS B 71 63.642 26.301 73.172 1.000 28.40 ATOM 2801 CA LYS B 71 62.809 27.437 71.255 1.000 24.12 ATOM 2802 CB LYS B 71 62.809 27.437 71.205 1.000 24.12 ATOM 2802 CB LYS B 71 64.674 28.583 70.010 1.000 37.46 ATOM 2804 CD LYS B 71 64.674 28.583 70.010 1.000 37.46 ATOM 2805 CE LYS B 71 65.580 29.802 69.994 1.000 37.46 ATOM 2806 NZ LYS B 71 64.674 28.583 70.010 1.000 37.46 ATOM 2806 NZ LYS B 71 66.319 29.886 68.700 1.000 37.46	MOTA	2776	0	GLU	В	67	68.296	27.474	70.196	1.000	48.84
ATOM 2778 CA ASN B 68 66.494 25.487 69.755 1.000 36.03 ATOM 2779 CB ASN B 68 65.825 24.980 68.477 1.000 39.69 ATOM 2780 CG ASN B 68 66.147 25.780 67.233 1.000 33.61 ATOM 2781 OD1 ASN B 68 66.147 25.780 67.233 1.000 31.83 ATOM 2782 ND2 ASN B 68 66.038 25.160 66.060 1.000 31.89 ATOM 2783 C ASN B 68 65.914 24.759 70.964 1.000 34.09 ATOM 2784 O ASN B 68 64.719 24.859 71.235 1.000 47.57 ATOM 2785 N ARG B 69 66.765 24.038 71.685 1.000 36.03 ATOM 2786 CA ARG B 69 66.765 24.038 71.685 1.000 36.03 ATOM 2787 CB ARG B 69 67.483 22.545 73.522 1.000 41.44 ATOM 2787 CB ARG B 69 67.483 22.545 73.522 1.000 43.89 ATOM 2789 CD ARG B 69 68.623 21.108 71.802 1.000 63.54 ATOM 2790 NE ARG B 69 68.623 21.108 71.802 1.000 63.54 ATOM 2792 NH1 ARG B 69 69.645 18.999 71.016 1.000 73.48 ATOM 2792 NH1 ARG B 69 69.645 18.999 71.016 1.000 73.48 ATOM 2793 NH2 ARG B 69 69.536 17.838 70.378 1.000 71.51 ATOM 2795 O ARG B 69 69.536 17.838 70.378 1.000 37.64 ATOM 2797 CA GLY B 70 65.885 25.212 74.117 1.000 32.41 ATOM 2799 C GLY B 70 63.881 26.880 75.183 1.000 32.44 ATOM 2799 O GLY B 70 63.881 26.880 75.183 1.000 32.44 ATOM 2799 O GLY B 70 63.881 26.880 75.183 1.000 32.44 ATOM 2799 O GLY B 70 63.881 26.880 75.183 1.000 32.44 ATOM 2800 N LYS B 71 63.642 26.301 73.172 1.000 28.40 ATOM 2801 CA LYS B 71 63.642 26.301 73.172 1.000 28.40 ATOM 2802 CB LYS B 71 63.642 26.301 73.172 1.000 25.57 ATOM 2802 CB LYS B 71 64.674 28.583 70.010 1.000 37.46 ATOM 2803 CG LYS B 71 64.674 28.583 70.010 1.000 37.46 ATOM 2804 CD LYS B 71 64.674 28.583 70.010 1.000 37.46 ATOM 2805 CE LYS B 71 64.674 28.583 70.010 1.000 37.46 ATOM 2805 CE LYS B 71 64.674 28.583 70.010 1.000 37.46 ATOM 2805 CE LYS B 71 65.580 29.802 69.994 1.000 37.46 ATOM 2806 NZ LYS B 71 65.580 29.802 69.994 1.000 37.46 ATOM 2806 NZ LYS B 71 66.319 29.886 68.700 1.000 37.46 ATOM 2806 NZ LYS B 71 66.319 29.886 68.700 1.000 37.46 ATOM 2806 NZ LYS B 71 66.519 29.886 68.700 1.000 37.46 ATOM 2806 NZ LYS B 71 66.519 29.886 68.700 1.000 37.46 ATOM 2806 NZ LYS B 71 66.519 29.886 68.700 1.000 37.46 ATOM 2806 NZ LY		2777	N	ASN	В	68	67.944	25.314	69.711	1.000	40.69
ATOM 2779 CB ASN B 68 65.825 24.980 68.477 1.000 39.69 ATOM 2780 CG ASN B 68 66.147 25.780 67.233 1.000 33.61 ATOM 2781 OD1 ASN B 68 66.504 26.952 67.287 1.000 31.83 ATOM 2782 ND2 ASN B 68 66.038 25.160 66.060 1.000 31.89 ATOM 2783 C ASN B 68 65.914 24.759 70.964 1.000 34.09 ATOM 2784 O ASN B 68 64.719 24.859 71.235 1.000 47.57 ATOM 2785 N ARG B 69 66.765 24.038 71.685 1.000 36.03 ATOM 2786 CA ARG B 69 66.306 23.202 72.792 1.000 41.44 ATOM 2787 CB ARG B 69 67.483 22.545 73.522 1.000 43.89 ATOM 2788 CG ARG B 69 67.790 21.126 73.075 1.000 54.59 ATOM 2789 CD ARG B 69 68.623 21.108 71.802 1.000 63.54 ATOM 2790 NE ARG B 69 68.602 19.813 71.126 1.000 68.27 ATOM 2791 CZ ARG B 69 69.645 18.999 71.016 1.000 73.48 ATOM 2792 NH1 ARG B 69 69.536 17.838 70.378 1.000 75.03 ATOM 2793 NH2 ARG B 69 69.536 17.838 70.378 1.000 75.03 ATOM 2796 C ARG B 69 69.536 17.838 70.378 1.000 75.03 ATOM 2797 CA GLY B 70 65.865 25.212 74.117 1.000 32.41 ATOM 2798 C GLY B 70 65.107 25.974 75.086 1.000 30.87 ATOM 2799 C ARG B 69 64.448 23.486 74.260 1.000 30.87 ATOM 2799 C ARG B 69 66.426 23.990 73.787 1.000 32.41 ATOM 2797 CA GLY B 70 65.107 25.974 75.086 1.000 30.87 ATOM 2799 C ARG B 70 65.107 25.974 75.086 1.000 32.41 ATOM 2800 N LYS B 71 63.642 26.301 73.172 1.000 28.40 ATOM 2801 CA LYS B 71 62.809 27.437 71.205 1.000 23.17 ATOM 2802 CB LYS B 71 62.809 27.437 71.205 1.000 23.17 ATOM 2804 CD LYS B 71 63.642 26.301 73.172 1.000 25.57 ATOM 2805 CE LYS B 71 66.319 29.886 68.700 1.000 37.46 ATOM 2807 CB LYS B 71 66.5580 29.802 69.994 1.000 37.46	ATOM		CA	ASN	В	68	66.494	25.487	69.755	1.000	36.03
ATOM 2780 CG ASN B 68 66.147 25.780 67.233 1.000 33.61 ATOM 2781 OD1 ASN B 68 66.504 26.952 67.287 1.000 31.83 ATOM 2782 ND2 ASN B 68 66.038 25.160 66.060 1.000 31.89 ATOM 2783 C ASN B 68 65.914 24.759 70.964 1.000 34.09 ATOM 2784 O ASN B 68 64.719 24.859 71.235 1.000 47.57 ATOM 2785 N ARG B 69 66.765 24.038 71.685 1.000 36.03 ATOM 2786 CA ARG B 69 66.306 23.202 72.792 1.000 41.44 ATOM 2787 CB ARG B 69 67.483 22.545 73.522 1.000 43.89 ATOM 2788 CG ARG B 69 67.483 22.545 73.522 1.000 43.89 ATOM 2789 CD ARG B 69 68.602 19.813 71.126 1.000 68.27 ATOM 2790 NE ARG B 69 68.602 19.813 71.126 1.000 68.27 ATOM 2791 NH1 ARG B 69 69.645 18.999 71.016 1.000 73.48 ATOM 2793 NH2 ARG B 69 69.536 17.838 70.378 1.000 73.48 ATOM 2793 NH2 ARG B 69 69.536 17.838 70.378 1.000 73.64 ATOM 2795 C ARG B 69 64.448 23.486 74.260 1.000 37.64 ATOM 2797 CA GLY B 70 65.862 25.212 74.117 1.000 32.41 ATOM 2799 O GLY B 70 65.852 25.212 74.495 1.000 30.87 ATOM 2799 O GLY B 70 62.881 26.880 75.183 1.000 32.44 ATOM 2800 N LYS B 71 63.642 26.301 73.172 1.000 28.40 ATOM 2801 CA LYS B 71 62.809 27.437 71.205 1.000 25.57 ATOM 2802 CB LYS B 71 63.920 28.476 71.318 1.000 25.57 ATOM 2804 CD LYS B 71 63.920 28.476 71.318 1.000 30.17 ATOM 2805 CE LYS B 71 64.674 28.583 70.010 1.000 31.40 ATOM 2805 CE LYS B 71 64.674 28.583 70.010 1.000 31.40 ATOM 2805 CE LYS B 71 66.519 29.886 68.700 1.000 51.92			СВ				65.825	24.980	68.477	1.000	39.69
ATOM 2781 OD1 ASN B 68 66.504 26.952 67.287 1.000 31.83 ATOM 2782 ND2 ASN B 68 66.038 25.160 66.060 1.000 31.89 ATOM 2783 C ASN B 68 65.914 24.759 70.964 1.000 34.09 ATOM 2784 O ASN B 68 64.719 24.859 71.235 1.000 47.57 ATOM 2785 N ARG B 69 66.765 24.038 71.685 1.000 47.57 ATOM 2787 CB ARG B 69 66.306 23.202 72.792 1.000 41.44 ATOM 2787 CB ARG B 69 67.483 22.545 73.522 1.000 43.89 ATOM 2788 CG ARG B 69 67.483 22.545 73.522 1.000 43.89 ATOM 2789 CD ARG B 69 68.623 21.108 71.802 1.000 63.54 ATOM 2790 NE ARG B 69 68.623 21.108 71.802 1.000 63.54 ATOM 2791 CZ ARG B 69 69.645 18.999 71.016 1.000 73.48 ATOM 2792 NH1 ARG B 69 69.645 18.999 71.016 1.000 73.48 ATOM 2794 C ARG B 69 69.546 23.990 73.787 1.000 71.51 ATOM 2795 O ARG B 69 65.466 23.990 73.787 1.000 37.64 ATOM 2795 O ARG B 69 65.466 23.990 73.787 1.000 37.64 ATOM 2795 C ARG B 69 65.466 23.990 73.787 1.000 37.64 ATOM 2795 C ARG B 69 65.466 23.990 73.787 1.000 37.64 ATOM 2795 CA ARG B 69 65.466 23.990 73.787 1.000 37.64 ATOM 2795 CA ARG B 69 65.466 23.990 73.787 1.000 37.64 ATOM 2795 CA ARG B 69 65.466 23.990 73.787 1.000 37.64 ATOM 2795 CA ARG B 69 65.466 23.990 73.787 1.000 37.64 ATOM 2795 CA ARG B 69 65.466 23.990 73.787 1.000 37.64 ATOM 2795 CA ARG B 69 65.466 23.990 73.787 1.000 37.64 ATOM 2795 CA ARG B 69 64.448 23.486 74.260 1.000 47.56 ATOM 2795 CA ARG B 69 64.448 23.486 74.260 1.000 37.64 ATOM 2801 CA LYS B 70 65.885 25.212 74.117 1.000 32.41 ATOM 2802 CB LYS B 71 62.431 26.876 72.579 1.000 28.40 ATOM 2801 CA LYS B 71 62.431 26.876 72.579 1.000 23.17 ATOM 2802 CB LYS B 71 62.431 26.876 72.579 1.000 25.57 ATOM 2804 CD LYS B 71 62.809 27.437 71.205 1.000 25.57 ATOM 2805 CE LYS B 71 63.920 28.476 71.318 1.000 25.57 ATOM 2805 CE LYS B 71 66.319 29.886 68.700 1.000 51.92									67.233	1.000	33.61
ATOM 2782 ND2 ASN B 68 66.038 25.160 66.060 1.000 31.89 ATOM 2783 C ASN B 68 65.914 24.759 70.964 1.000 34.09 ATOM 2784 O ASN B 68 64.719 24.859 71.235 1.000 47.57 ATOM 2785 N ARG B 69 66.765 24.038 71.685 1.000 36.03 ATOM 2786 CA ARG B 69 66.306 23.202 72.792 1.000 41.44 ATOM 2787 CB ARG B 69 67.483 22.545 73.522 1.000 43.89 ATOM 2788 CG ARG B 69 67.790 21.126 73.075 1.000 54.59 ATOM 2789 CD ARG B 69 68.623 21.108 71.802 1.000 63.54 ATOM 2790 NE ARG B 69 68.602 19.813 71.126 1.000 68.27 ATOM 2791 CZ ARG B 69 69.645 18.999 71.016 1.000 73.48 ATOM 2792 NH1 ARG B 69 69.645 18.999 71.016 1.000 75.03 ATOM 2793 NH2 ARG B 69 69.536 17.838 70.378 1.000 71.51 ATOM 2794 C ARG B 69 65.466 23.990 73.787 1.000 37.56 ATOM 2795 O ARG B 69 64.448 23.486 74.260 1.000 47.56 ATOM 2796 N GLY B 70 65.885 25.212 74.117 1.000 32.41 ATOM 2797 CA GLY B 70 65.107 25.974 75.086 1.000 30.87 ATOM 2799 O GLY B 70 62.881 26.880 75.183 1.000 32.44 ATOM 2799 O GLY B 70 62.881 26.880 75.183 1.000 32.44 ATOM 2800 N LYS B 71 63.642 26.301 73.172 1.000 28.40 ATOM 2801 CA LYS B 71 62.809 27.437 71.205 1.000 24.12 ATOM 2802 CB LYS B 71 62.809 27.437 71.205 1.000 24.12 ATOM 2803 CG LYS B 71 63.920 28.476 71.318 1.000 25.57 ATOM 2804 CD LYS B 71 66.319 29.886 68.700 1.000 37.46 ATOM 2805 CE LYS B 71 66.519 29.886 68.700 1.000 51.92										1.000	31.83
ATOM 2783 C ASN B 68 65.914 24.759 70.964 1.000 34.09 ATOM 2784 O ASN B 68 64.719 24.859 71.235 1.000 47.57 ATOM 2785 N ARG B 69 66.765 24.038 71.685 1.000 36.03 ATOM 2786 CA ARG B 69 66.306 23.202 72.792 1.000 41.44 ATOM 2787 CB ARG B 69 67.483 22.545 73.522 1.000 43.89 ATOM 2788 CG ARG B 69 67.483 22.545 73.522 1.000 43.89 ATOM 2789 CD ARG B 69 68.623 21.126 73.075 1.000 54.59 ATOM 2790 NE ARG B 69 68.623 21.108 71.802 1.000 63.54 ATOM 2790 NE ARG B 69 68.602 19.813 71.016 1.000 73.48 ATOM 2791 CZ ARG B 69 69.645 18.999 71.016 1.000 73.48 ATOM 2792 NH1 ARG B 69 69.536 17.838 70.378 1.000 75.03 ATOM 2793 NH2 ARG B 69 69.536 17.838 70.378 1.000 75.03 ATOM 2794 C ARG B 69 69.536 17.838 70.378 1.000 71.51 ATOM 2795 O ARG B 69 65.466 23.990 73.787 1.000 37.64 ATOM 2796 N GLY B 70 65.885 25.212 74.117 1.000 32.41 ATOM 2797 CA GLY B 70 65.885 25.212 74.117 1.000 32.41 ATOM 2799 O GLY B 70 65.805 25.974 75.086 1.000 30.87 ATOM 2799 O GLY B 70 62.881 26.880 75.183 1.000 31.35 ATOM 2800 N LYS B 71 63.642 26.301 73.172 1.000 28.40 ATOM 2801 CA LYS B 71 63.920 28.476 71.318 1.000 25.57 ATOM 2802 CB LYS B 71 63.920 28.476 71.318 1.000 25.57 ATOM 2803 CG LYS B 71 63.920 28.476 71.318 1.000 25.57 ATOM 2804 CD LYS B 71 65.580 29.802 69.994 1.000 37.46 ATOM 2805 CE LYS B 71 66.319 29.886 68.700 1.000 51.92									66.060	1.000	31.89
ATOM 2784 O ASN B 68 64.719 24.859 71.235 1.000 47.57 ATOM 2785 N ARG B 69 66.765 24.038 71.685 1.000 36.03 ATOM 2786 CA ARG B 69 66.306 23.202 72.792 1.000 41.44 ATOM 2787 CB ARG B 69 67.483 22.545 73.522 1.000 43.89 ATOM 2788 CG ARG B 69 67.790 21.126 73.075 1.000 54.59 ATOM 2789 CD ARG B 69 68.623 21.108 71.802 1.000 63.54 ATOM 2790 NE ARG B 69 68.602 19.813 71.126 1.000 68.27 ATOM 2791 CZ ARG B 69 69.645 18.999 71.016 1.000 73.48 ATOM 2792 NH1 ARG B 69 70.812 19.341 71.551 1.000 75.03 ATOM 2793 NH2 ARG B 69 69.536 17.838 70.378 1.000 71.51 ATOM 2794 C ARG B 69 65.466 23.990 73.787 1.000 37.64 ATOM 2795 O ARG B 69 64.448 23.486 74.260 1.000 47.56 ATOM 2797 CA GLY B 70 65.885 25.212 74.117 1.000 32.41 ATOM 2797 CA GLY B 70 65.885 25.212 74.117 1.000 32.41 ATOM 2799 O GLY B 70 63.789 26.425 74.495 1.000 31.35 ATOM 2799 O GLY B 70 62.881 26.880 75.183 1.000 32.44 ATOM 2800 N LYS B 71 62.431 26.876 72.579 1.000 28.40 ATOM 2801 CA LYS B 71 62.809 27.437 71.205 1.000 23.17 ATOM 2802 CB LYS B 71 62.809 27.437 71.205 1.000 25.57 ATOM 2804 CD LYS B 71 63.920 28.476 71.318 1.000 37.46 ATOM 2805 CE LYS B 71 66.319 29.886 68.700 1.000 37.46 ATOM 2805 CE LYS B 71 66.319 29.886 68.700 1.000 51.92										1.000	34.09
ATOM 2785 N ARG B 69 66.765 24.038 71.685 1.000 36.03 ATOM 2786 CA ARG B 69 66.306 23.202 72.792 1.000 41.44 ATOM 2787 CB ARG B 69 67.483 22.545 73.522 1.000 43.89 ATOM 2788 CG ARG B 69 67.790 21.126 73.075 1.000 54.59 ATOM 2789 CD ARG B 69 68.623 21.108 71.802 1.000 63.54 ATOM 2790 NE ARG B 69 68.602 19.813 71.126 1.000 68.27 ATOM 2791 CZ ARG B 69 69.645 18.999 71.016 1.000 73.48 ATOM 2792 NH1 ARG B 69 69.645 18.999 71.016 1.000 75.03 ATOM 2793 NH2 ARG B 69 69.536 17.838 70.378 1.000 71.51 ATOM 2794 C ARG B 69 65.466 23.990 73.787 1.000 37.64 ATOM 2795 O ARG B 69 64.448 23.486 74.260 1.000 47.56 ATOM 2796 N GLY B 70 65.885 25.212 74.117 1.000 32.41 ATOM 2797 CA GLY B 70 65.107 25.974 75.086 1.000 32.41 ATOM 2798 C GLY B 70 63.789 26.425 74.495 1.000 31.35 ATOM 2799 O GLY B 70 62.881 26.880 75.183 1.000 32.44 ATOM 2800 N LYS B 71 63.642 26.301 73.172 1.000 28.40 ATOM 2801 CA LYS B 71 62.431 26.876 72.579 1.000 23.17 ATOM 2802 CB LYS B 71 62.809 27.437 71.205 1.000 24.12 ATOM 2803 CG LYS B 71 64.674 28.583 70.010 1.000 30.17 ATOM 2805 CE LYS B 71 64.674 28.583 70.010 1.000 30.17 ATOM 2805 CE LYS B 71 65.580 29.802 69.994 1.000 37.46 ATOM 2806 NZ LYS B 71 66.319 29.886 68.700 1.000 51.92											47.57
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ATOM 2805 CE LYS B 71 65.580 29.802 69.994 1.000 37.46 ATOM 2806 NZ LYS B 71 66.319 29.886 68.700 1.000 51.92			CD	LYS	В	71	64.674	28.583	70.010		
ATOM 2806 NZ LYS B 71 66.319 29.886 68.700 1.000 51.92						71	65.580	29.802			
								29.886	68.700	1.000	51.92
								25.876	72.492	1.000	23.16

ATOM	2808	0	LYS	В	71	60.205	26.158	71.995	1.000	27.70
MOTA	2809	N	ASN	В	72	61.501	24.663	72.997	1.000	19.21
ATOM	2810	CA	ASN		72	60.414	23.691	72.972	1.000	21.63
ATOM	2811	СВ	ASN		72	60.918	22.370	72.375	1.000	26.16
	2812	CG	ASN		72	61.306	22.543	70.916		31.09
ATOM					72	60.465	22.945	70.109		
ATOM	2813		ASN						1.000	
MOTA	2814		ASN		72	62.558	22.245			
ATOM	2815	С	ASN		72	59.855	23.481		1.000	
MOTA	2816	0	ASN	В	72	60.603	23.340		1.000	
ATOM	2817	N	ARG	В	73	58.532	23.462	74.504	1.000	
ATOM	2818	CA	ARG	В	73	57.950	23.251	75.827	1.000	29.94
MOTA	2819	СВ	ARG	В	73	56.501	23.738	75.862	1.000	30.13
ATOM	2820	CG	ARG		73	55.847	23.665	77.239	1.000	26.45
ATOM	2821	CD	ARG		73	54.393	24.129	77.156	1.000	21.48
ATOM	2822	NE	ARG		73	54.347	25.597		1.000	
					73	54.413	26.305			30.47
ATOM	2823	CZ	ARG						1.000	
ATOM	2824		ARG		73	54.514	25.676			37.96
ATOM	2825		ARG		73	54.373	27.624	78.162		
MOTA	2826	С	ARG		73	58.047	21.775	76.205		36.82
ATOM	2827	0	ARG	В	73	58.212	21.428	77.375		27.47
ATOM	2828	N	TYR	В	74	57.948	20.904	75.202		
MOTA	2829	CA	TYR	В	74	58.101	19.470	75.416	1.000	24.94
MOTA	2830	СВ	TYR	В	74	56.774	18.731	75.335	1.000	24.22
ATOM	2831	CG	TYR	В	74	55.661	19.265	76.209	1.000	31.66
ATOM	2832	CD1	TYR	В	74	55.531	18.876	77.540	1.000	37.63
MOTA	2833	CE1	TYR		74	54.513	19.366	78.342	1.000	39.66
ATOM	2834	CZ	TYR		74	53.601	20.258	77.818	1.000	38.75
ATOM	2835	OH	TYR		74	52.588	20.745		1.000	
ATOM	2836	CE2	TYR		74	53.695	20.668		1.000	
ATOM	2837	CD2	TYR		74	54.722	20.163	75.724		
	2838	C	TYR		74	59.091	18.944		1.000	
MOTA	2839	0	TYR		74	58.878	19.078		1.000	
MOTA					75	60.170	18.362	74.871		
MOTA	2840	N	ASN					74.027		35.16
ATOM	2841	CA	ASN		75	61.260	17.890			41.15
MOTA	2842	CB	ASN		75	62.397	17.415			
ATOM	2843	CG	ASN		75	63.227	18.582			49.51
MOTA	2844		ASN		75	64.296	18.392	76.032		
MOTA	2845		ASN		75	62.756	19.808		1.000	
MOTA	2846	С	ASN		75	60.832	16.813		1.000	
MOTA	2847	0	ASN	В	75	61.544	16.541	72.062		
ATOM	2848	N	ASN	В	76	59.676	16.191	73.248	1.000	24.48
MOTA	2849	CA	ASN	В	76	59.194	15.180	72.303	1.000	31.98
ATOM	2850	СВ	ASN	В	76	58.888	13.857	73.026	1.000	39.45
ATOM	2851	CG	ASN		76	57.794	14.002	74.065	1.000	36.56
ATOM	2852		ASN		76	57.640	15.076	74.643	1.000	29.01
ATOM	2853		ASN		76	57.038	12.939	74.311		
ATOM	2854	C	ASN		76	57.964	15.646	71.535		
					76	57.304	14.845	70.863		
ATOM	2855	O N	ASN		70 77	57.641	16.943	71.608		
ATOM	2856	N	ILE					70.743		
ATOM	2857	CA	ILE		77	56.567	17.443			
MOTA	2858	CB	ILE		77	55.318	17.839	71.534		
MOTA	2859	CG1	ILE	В	77	54.547	16.646	72.114	1.000	33.00

ATOM	2860	CD1	ILE	В	77	53.956	16.931	73.479	1.000	23.65
ATOM	2861	CG2	ILE	В	77	54.400	18.697	70.690	1.000	34.46
MOTA	2862	С	ILE		77	57.078	18.622	69.914	1.000	27.23
ATOM	2863	0	ILE		77	57.193	19.748	70.388	1.000	22.76
ATOM	2864	N	LEU		78	57.404	18.308	68.668	1.000	
MOTA	2865	CA	LEU		78	58.101	19.170	67.741	1.000	
ATOM	2866	CB	LEU		78	59.571	18.763	67.579	1.000	
ATOM	2867	CG	LEU		78 	60.317	18.344	68.845	1.000	
ATOM	2868	CD1	LEU		78	61.596	17.606	68.496	1.000	
ATOM	2869	CD2			78	60.606	19.563	69.702	1.000	
ATOM	2870	С	LEU		78 70	57.477	19.158	66.348	1.000	
ATOM	2871	0	LEU		78 70	56.883	18.186	65.883	1.000	
ATOM	2872	N	PRO		79 70	57.653	20.300	65.695	1.000	26.68
ATOM	2873 2874	CA		В	79 70	57.097	20.468	64.351	1.000	19.33
ATOM ATOM	2875	CB CG	PRO PRO		79 79	57.244 58.491	21.974	64.135	1.000	
ATOM	2876	CD		В	79 79	58.384	22.309 21.490	64.892 66.156	1.000	17.51 17.54
ATOM	2877	C		В	79	57.939	19.691	63.351	1.000	18.83
ATOM	2878	0	PRO		79	59.161	19.657	63.510		24.06
ATOM	2879	N	TYR		80	57.287	19.098	62.367	1.000	18.71
ATOM	2880	CA	TYR		80	57.911	18.548	61.181	1.000	17.89
ATOM	2881	CB	TYR		80	56.857	17.886	60.297	1.000	30.40
ATOM	2882	CG	TYR		80	56.167	16.688	60.900	1.000	29.81
ATOM	2883	CD1	TYR		80	56.876	15.711	61.589	1.000	27.11
ATOM	2884	CE1	TYR		80	56.247	14.607	62.147		26.90
ATOM	2885	CZ	TYR		80	54.885	14.478	62.004		27.92
ATOM	2886	ОН	TYR	В	80	54.233	13.393	62.539	1.000	22.86
ATOM	2887	CE2	TYR	В	80	54.162	15.432	61.324	1.000	21.67
MOTA	2888	CD2	TYR	В	80	54.794	16.532	60.774	1.000	22.55
MOTA	2889	С	TYR	В	80	58.600	19.647	60.373	1.000	26.95
ATOM	2890	0	TYR	В	80	58.000	20.703	60.137	1.000	29.85
ATOM	2891	N	ASP	В	81	59.836	19.401	59.962	1.000	23.42
ATOM	2892	CA		В	81	60.607	20.320	59.148	1.000	23.41
MOTA	2893	CB		В	81	61.878	19.642	58.613	1.000	34.98
ATOM	2894	CG		В	81	62.914	19.322	59.664		32.41
ATOM	2895	OD1		В	81	62.951	20.053	60.680		35.92
ATOM	2896	OD2		В	81	63.686	18.346	59.510	1.000	30.60
ATOM	2897	С		В	81	59.795	20.828	57.959	1.000	25.69
ATOM	2898	0	ASP		81	59.760	22.011	57.634	1.000	33.08
ATOM	2899	N CT	ALA		82	59.122	19.915	57.268		
ATOM	2900	CA	ALA		82	58.455	20.249	56.015		
ATOM	2901	СВ	ALA		82	57.984	18.939	55.373		
ATOM	2902	С	ALA		82	57.283	21.200	56.164		
ATOM ATOM	2903 2904	O N	ALA		82 83	56.790	21.814	55.211		
ATOM	2905	CA	THR THR		83	56.753	21.363	57.372		
ATOM	2906	CB	THR		83	55.542 54.342	22.170 21.270	57.495 57.845		
ATOM	2907		THR		83	54.667	20.507	59.014		
ATOM	2908		THR		83	54.087	20.287	56.713		
ATOM	2909	C	THR		83	55.677	23.231	58.566		
ATOM	2910	0	THR		83	54.681	23.841	58.936		
ATOM	2911		ARG		84	56.897	23.443	59.056		
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ATOM	2912	CA	ARG	В	84	57.050	24.372	60.171	1.000	26.66
MOTA	2913	CB	ARG	В	84	58.405	24.149	60.862	1.000	26.13
MOTA	2914	CG	ARG	В	84	59.618	24.541	60.040	1.000	22.35
MOTA	2915	CD	ARG	В	84	60.929	24.294	60.779	1.000	26.61
MOTA	2916	NE	ARG	В	84	62.018	24.933	60.053	1.000	28.50
MOTA	2917	CZ	ARG	В	84	62.683	26.031	60.352	1.000	29.24
ATOM	2918	NH1	ARG	В	84	62.442	26.754	61.435	1.000	24.43
ATOM	2919	NH2			84	63.645	26.433	59.530	1.000	32.59
ATOM	2920	С	ARG	В	84	56.890	25.819	59.728	1.000	22.30
ATOM	2921	0	ARG		84	57.133	26.183	58.583	1.000	23.04
ATOM	2922	N	VAL		85	56.477	26.663	60.669	1.000	18.94
ATOM	2923	CA			85	56.405	28.101	60.424	1.000	21.51
ATOM	2924	CB	VAL		85	55.322	28.738	61.308	1.000	18.95
ATOM	2925	CG1	VAL		85	55.256	30.249	61.152	1.000	24.35
ATOM	2926	CG2	VAL		85	53.967	28.113	60.988	1.000	12.73
ATOM	2927	C	VAL		85	57.776	28.707	60.699	1.000	
ATOM	2928	0	VAL	В	85	58.331	28.435	61.767	1.000	
			LYS	В	86	58.320	29.488	59.782	1.000	19.69
MOTA	2929	N C7			86	59.624		59.762	1.000	
ATOM	2930	CA	LYS	В			30.120		1.000	
ATOM	2931	CB	LYS	В	86	60.321	30.044	58.509		
ATOM	2932	CG	LYS	В	86	60.905	28.675	58.194	1.000	33.26
ATOM	2933	CD	LYS	В	86	60.950	28.412	56.698	1.000	34.06
ATOM	2934	CE	LYS	В	86	61.685	27.121	56.377	1.000	41.77
ATOM	2935	ΝZ	LYS		86	63.000	27.368	55.715	1.000	51.25
ATOM	2936	C	LYS		86	59.558	31.584	60.289	1.000	27.93
ATOM	2937	0		В	86	58.723	32.338	59.780	1.000	31.79
ATOM	2938	N	LEU		87	60.431	32.027	61.194	1.000	31.15
ATOM	2939	CA	LEU		87	60.507	33.457	61.505	1.000	28.89
ATOM	2940	CB	LEU		87	61.126	33.736	62.870	1.000	21.77
ATOM	2941	CG	LEU		87	60.472	33.041	64.066	1.000	30.37
ATOM	2942	CD1	LEU		87	61.312	33.206	65.321	1.000	35.12
ATOM	2943	CD2	LEU		87	59.066	33.577	64.279		22.71
ATOM	2944	C	LEU		87	61.332	34.163	60.429	1.000	37.83
ATOM	2945	0	LEU		87	62.297	33.589	59.913	1.000	30.13
ATOM	2946	N	SER		88	60.944	35.389	60.100	1.000	36.67
ATOM	2947	CA	SER		88	61.678	36.147	59.095	1.000	40.88
ATOM	2948	СВ	SER		88	61.145	37.572	58.969		50.96
ATOM	2949	OG	SER		88	61.924	38.447	59.787	1.000	71.49
ATOM	2950	С	SER		88	63.162	36.209	59.453	1.000	53.58
ATOM	2951	0	SER		88	63.487	36.614	60.569		
MOTA	2952	N	ASN		89	63.971	35.800	58.503		
MOTA	2953	CA	ASN		89	65.419	35.723	58.486		
ATOM	2954	CB	ASN		89	65.871	36.099	57.064		
ATOM	2955	CG	ASN		89	64.906	35.515	56.046		
ATOM	2956		ASN		89	63.714	35.820	56.022		
MOTA	2957		ASN		89	65.435	34.646	55.196		
ATOM	2958	С	ASN		89	66.085	36.608	59.532		
MOTA	2959	0	ASN		89	66.500	37.726	59.230		
MOTA	2960	N	VAL		90	66.182	36.108	60.760		
ATOM	2961	CA	VAL		90	66.604	36.863	61.925		
MOTA	2962	CB	VAL		90	65.922	36.329	63.208		
MOTA	2963	CG1	VAL	В	90	65.594	37.484	64.140	1.000	85.61

ATOM	2964		VAL	В	90	64.673	35.536	62.861 1.000 93.25
MOTA	2965	C	VAL	В	90	68.114	36.866	62.182 1.000113.45
ATOM	2966	0	VAL	В	90	68.832	35.943	61.806 1.000122.31
MOTA	2967	N	ASP	В	91	68.544	37.933	62.844 1.000114.27
ATOM	2968	CA	ASP	В	91	69.897	38.277	63.228 1.000110.66
ATOM	2969	СВ	ASP		91	69.892	39.409	64.264 1.000111.15
ATOM	2970	CG	ASP		91	71.270	40.014	64.465 1.000110.08
ATOM	2971	OD1			91	71.763	40.698	63.539 1.000108.01
ATOM	2972	OD2			91	71.864	39.800	65.540 1.000107.80
ATOM	2973	C	ASP		91	70.667	37.090	63.802 1.000107.80
ATOM	2974	0	ASP		91	70.062	36.112	64.251 1.000107.40
ATOM	2975	N			92	71.989	37.191	63.769 1.000 95.56
ATOM	2976	CA			92	72.913	36.160	
ATOM	2977	CB	ASP		92	72.475		64.216 1.000 92.84
	2978	CG					35.573	65.557 1.000 96.48
ATOM			ASP		92	73.473	35.776	66.676 1.000 98.09
ATOM	2979	OD1			92	73.609	34.872	67.529 1.000 84.88
ATOM	2980	OD2		В	92	74.122	36.837	66.715 1.000107.58
ATOM	2981	C	ASP	В	92	73.036	35.057	63.161 1.000 91.94
ATOM	2982	0	ASP	В	92	74.144	34.632	62.832 1.000 94.07
ATOM	2983	N		В	93	71.901	34.619	62.650 1.000 91.73
ATOM	2984	CA		В	93	71.682	33.642	61.611 1.000 95.04
ATOM	2985	CB	ASP		93	72.393	34.073	60.319 1.000103.17
MOTA	2986	CG	ASP	В	93	71.728	35.227	59.594 1.000106.58
MOTA	2987		ASP	В	93	70.954	34.993	58.638 1.000104.63
MOTA	2988	OD2		В	93	71.988	36.396	59.962 1.000107.25
MOTA	2989	С	ASP	В	93	72.140	32.243	62.001 1.000 91.99
ATOM	2990	0		В	93	72.871	31.598	61.239 1.000105.20
ATOM	2991	N	PRO	В	94	71.753	31.714	63.147 1.000 86.76
MOTA	2992	CA	PRO	В	94	72.111	30.328	63.491 1.000 84.05
ATOM	2993	CB	PRO	В	94	72.346	30.431	64.992 1.000 81.07
ATOM	2994	CG	PRO	В	94	71.549	31.600	65.461 1.000 79.07
ATOM	2995	CD	PRO	В	94	70.967	32.274	64.262 1.000 82.73
ATOM	2996	С	PRO	В	94	70.930	29.403	63.184 1.000 88.17
MOTA	2997	0	PRO	В	94	70.886	28.767	62.140 1.000 95.17
ATOM	2998	N	CYS	В	95	70.014	29.396	64.129 1.000 85.15
MOTA	2999	CA	CYS	В	95	68.692	28.806	64.171 1.000 71.00
MOTA	3000	CB	CYS	В	95	68.676	27.559	65.048 1.000 68.25
MOTA	3001	SG	CYS	В	95	70.324	27.048	65.606 1.000 59.08
MOTA	3002	С	CYS	В	95	67.724	29.872	64.691 1.000 61.59
MOTA	3003	0	CYS	В	95	66.839	29.638	65.507 1.000 45.14
MOTA	3004	N	SER	В	96	67.966	31.077	64.176 1.000 54.56
ATOM	3005	CA	SER	В	96	67.227	32.262	64.582 1.000 54.51
ATOM	3006	СВ	SER		96	67.962	33.527	64.131 1.000 53.89
ATOM	3007	OG	SER		96	68.750	33.268	62.979 1.000 64.41
ATOM	3008	C	SER		96	65.806	32.239	64.029 1.000 47.05
ATOM	3009	0	SER		96	64.946	32.971	64.526 1.000 50.88
ATOM	3010	N	ASP		97	65.565	31.402	63.024 1.000 36.23
ATOM	3011	CA	ASP		97	64.263	31.360	62.369 1.000 27.85
ATOM	3012	СВ	ASP		97	64.461	30.914	60.911 1.000 24.26
ATOM	3013	CG	ASP		97	64.720	29.419	60.834 1.000 36.82
ATOM	3014		ASP		97	65.206	28.822	61.819 1.000 38.88
ATOM	3015		ASP		97	64.431	28.828	59.772 1.000 52.38
				-				222 2.000 02.00

MOTA	3016	C	ASP	В	97	63.263	30.420	63.027	1.000	29.64
MOTA	3017	0	ASP	В	97	62.132	30.313	62.537	1.000	25.93
ATOM	3018	N	TYR		98	63.653	29.727	64.094	1.000	31.48
ATOM	3019	CA	TYR	R	98	62.830	28.686	64.683	1.000	27.28
ATOM	3020	CB	TYR		98	63.708	27.639	65.426	1.000	24.83
						62.860	26.500	65.960	1.000	19.17
ATOM	3021	CG	TYR		98					
ATOM	3022	CD1	TYR		98	62.365	25.535	65.080	1.000	20.66
ATOM	3023	CE1	TYR		98	61.587	24.485	65.523	1.000	24.11
ATOM	3024	CZ	TYR	В	98	61.285	24.380	66.864	1.000	26.77
MOTA	3025	ОН	TYR	В	98	60.508	23.331	67.317	1.000	19.75
MOTA	3026	CE2	TYR	В	98	61.760	25.324	67.751	1.000	22.13
ATOM	3027	CD2	TYR	В	98	62.540	26.372	67.306	1.000	20.85
ATOM	3028	С	TYR		98	61.775	29.132	65.687	1.000	20.04
ATOM	3029	0	TYR		98	61.972	29.920	66.608	1.000	25.66
ATOM	3030	N	ILE	В	99	60.604	28.517	65.531		20.57
				В	99	59.546	28.552	66.532		19.42
ATOM	3031	CA	ILE					66.314	1.000	19.96
ATOM	3032	CB		В	99	58.577	29.720			17.02
ATOM	3033	CG1		В	99	57.447	29.790	67.336	1.000	
ATOM	3034	CD1	ILE		99	56.771	31.140	67.413	1.000	19.58
ATOM	3035	CG2	ILE		99	58.013	29.694	64.897		29.56
ATOM	3036	С	ILE	В	99	58.773	27.240	66.500	1.000	22.92
ATOM	3037	0	ILE	В	99	58.543	26.677	65.428	1.000	23.59
ATOM	3038	N	ASN	В	100	58.373	26.722	67.665	1.000	17.01
ATOM	3039	CA	ASN	В	100	57.617	25.462	67.617	1.000	20.62
ATOM	3040	СВ	ASN		100	57.574	24.797	68.989	1.000	22.98
ATOM	3041	CG	ASN		100	56.990	23.404	68.998	1.000	24.77
ATOM	3042		ASN		100	56.001	23.116	68.319		25.34
ATOM	3043		ASN		100	57.571	22.496	69.786		18.32
ATOM	3044	C	ASN		100	56.226	25.777	67.081	1.000	
	3044	0	ASN		100	55.361	26.152	67.888	1.000	19.79
ATOM			ALA		101	56.067	25.654	65.760		21.42
ATOM	3046	N					25.946	65.121		21.68
ATOM	3047	CA	ALA		101	54.782				13.80
ATOM	3048	СВ	ALA		101	54.559	27.450	65.071		
ATOM	3049	С	ALA		101	54.696	25.326			26.20
ATOM	3050	0	ALA		101	55.715	25.142	63.072		18.76
ATOM	3051	N	SER		102	53.499	24.985	63.271	1.000	29.48
ATOM	3052	CA	SER	В	102	53.250	24.285	62.023	1.000	19.07
ATOM	3053	CB	SER	В	102	52.919	22.808	62.271	1.000	15.75
ATOM	3054	OG	SER	В	102	53.753	22.258	63.274	1.000	21.52
ATOM	3055	С	SER	В	102	52.073	24.879	61.259	1.000	19.78
ATOM	3056	0	SER			51.068	25.227	61.882		
ATOM	3057	N	TYR			52.181	24.977	59.931	1.000	17.66
ATOM	3058	CA	TYR			51.017	25.426	59.166	1.000	18.10
ATOM	3059	СВ	TYR			51.373	25.982	57.794		
ATOM	3060	CG	TYR		103	52.221	27.216	57.690		
					103	51.692	28.498	57.841		
ATOM	3061	CD1				52.490	29.627	57.736		
ATOM	3062	CE1	TYR		103					
ATOM	3063	CZ	TYR		103	53.840	29.489	57.472		
ATOM	3064	OH	TYR		103	54.656	30.597	57.367	1.000	
MOTA	3065		TYR		103	54.394	28.237	57.316		
ATOM	3066		TYR		103	53.585	27.113	57.422		
ATOM	3067	С	TYR	В	103	50.054	24.256	58.995	1.000	16.67

ATOM	3068	0	TYR I	B 103	50.489	23.126	58.760 1.000 2	2.66
MOTA	3069	N	ILE 1	3 104	48.756	24.521	59.088 1.000 1	9.23
ATOM	3070	CA	ILE 1	3 104	47.781	23.448	58.955 1.000 2	4.34
ATOM	3071	CB	ILE 1	3 104	47.099	23.127	60.304 1.000 3	2.75
ATOM	3072	CG1	ILE	3 104	48.085	22.913		7.91
ATOM	3073	CD1			48.886	21.643		8.81
ATOM	3074	CG2			46.164	21.938		0.62
ATOM	3075	С	ILE I		46.672	23.774		4.01
ATOM	3076	Ö	ILE I		46.080	24.847		5.86
ATOM	3077	N	PRO I		46.370	22.829	57.086 1.000 2	
ATOM	3078	CA	PRO I		45.332	23.074	56.078 1.000 2	
ATOM	3079	CB	PRO I		45.503			8.03
ATOM	3080	CG				21.922		
		CD	PRO I		46.582	21.035	55.586 1.000 2	
ATOM	3081		PRO I		46.944	21.482	56.973 1.000 2	
ATOM	3082	С	PRO E		43.940	23.045	56.698 1.000 2	
ATOM	3083	0	PRO E		43.656	22.391	57.703 1.000 3	
ATOM	3084	N	GLY F		43.011	23.768	56.085 1.000 2	
ATOM	3085	CA	GLY E		41.640	23.703	56.591 1.000 2	
ATOM	3086	С	GLY E		40.757	23.172	55.465 1.000 2	
ATOM	3087	0	GLY E		41.280	22.580	54.521 1.000 2	
ATOM	3088	N	ASN E		39.461	23.394	55.567 1.000 2	
ATOM	3089	CA	ASN E		38.490	22.979	54.572 1.000 3	5.96
ATOM	3090	CB	ASN E		37.085	23.184	55.152 1.000 4	7.76
ATOM	3091	CG	ASN E		36.304	21.899	55.308 1.000 4	9.77
ATOM	3092	OD1	ASN E	3 107	35.075	21.945	55.229 1.000 73	3.31
ATOM	3093	ND2	ASN E	107	36.983	20.777	55.521 1.000 43	1.72
ATOM	3094	С	ASN E	107	38.605	23.762	53.268 1.000 40	0.01
MOTA	3095	0	ASN E	107	38.170	23.268	52.227 1.000 2	7.43
MOTA	3096	N	ASN E	108	39.172	24.962	53.316 1.000 4	7.34
MOTA	3097	CA	ASN E	108	39.181	25.892	52.194 1.000 49	9.18
MOTA	3098	CB	ASN E	108	38.573	27.227	52.670 1.000 53	3.17
ATOM	3099	CG	ASN E	108	37.444	27.012	53.664 1.000 60	0.31
ATOM	3100	OD1	ASN B	108	36.332	26.632	53.279 1.000 45	5.80
MOTA	3101	ND2	ASN B	108	37.724	27.248		9.45
ATOM	3102	С	ASN B	108	40.545	26.159		1.89
ATOM	3103	0	ASN B	108	40.633	26.284	50.347 1.000 48	
ATOM	3104	N	PHE B		41.607	26.266		2.76
ATOM	3105	CA	PHE B		42.947	26.513	51.844 1.000 22	
ATOM	3106	СВ	PHE B		43.245	28.009	51.738 1.000 27	
ATOM	3107	CG	PHE B		42.837	28.902	52.878 1.000 36	
ATOM	3108		PHE B		43.785	29.482	53.709 1.000 36	
ATOM	3109		PHE B		43.434	30.318	54.748 1.000 43	
ATOM	3110	CZ	PHE B		42.102	30.599	54.991 1.000 46	
ATOM	3111		PHE B		41.144	30.029	54.175 1.000 48	
ATOM	3112		PHE B		41.509	29.191	53.140 1.000 38	
ATOM	3113	C	PHE B		44.009	25.809	52.681 1.000 26	
ATOM	3114	Ö	PHE B		43.745	25.302	53.775 1.000 33	
ATOM	3115	N	ARG B		45.231	25.760	52.163 1.000 21	
ATOM	3116	CA	ARG B		46.293	24.976	52.783 1.000 29	
ATOM	3117	CB	ARG B					
ATOM	3117	CG	ARG B		47.331	24.635	51.691 1.000 23	
ATOM					46.678	23.836	50.567 1.000 24	
ATOM	3119	CD	ARG B	TIO	47.700	23.142	49.690 1.000 35	.94

ATOM	3120	NE	ARG	В	110	48.602	22.284	50.447		
ATOM	3121	CZ	ARG	В	110	48.689	20.963	50.337	1.000	
ATOM	3122	NH1	ARG	В	110	47.907	20.318	49.480	1.000	62.56
ATOM	3123	NH2	ARG	В	110	49.562	20.304	51.095		60.21
ATOM	3124	С	ARG	В	110	46.975	25.640	53.960		33.08
ATOM	3125	0	ARG	В	110	47.566	24.963	54.817	1.000	25.95
MOTA	3126	N	ARG	В	111	46.949	26.968		1.000	
ATOM	3127	CA	ARG	В	111	47.600	27.571		1.000	
ATOM	3128	CB	ARG	В	111	48.716	28.513	54.839	1.000	22.60
ATOM	3129	CG	ARG	В	111	49.940	27.889	54.187	1.000	
ATOM	3130	CD	ARG	В	111	51.044	28.951	54.077	1.000	25.11
MOTA	3131	NE	ARG	В	111	52.352	28.321	54.010	1.000	31.63
ATOM	3132	CZ	ARG	В	111	53.527	28.919	53.942	1.000	26.99
ATOM	3133		ARG	В	111	53.614	30.238	53.935	1.000	28.95
ATOM	3134	NH2	ARG	В	111	54.622	28.173	53.884	1.000	31.47
ATOM	3135	С	ARG		111	46.556	28.306	56.085	1.000	24.94
ATOM	3136	0	ARG		111	46.687	29.475	56.447	1.000	29.91
ATOM	3137	N	GLU		112	45.493	27.571	56.391	1.000	23.64
MOTA	3138	CA	GLU		112	44.323	28.134	57.049	1.000	17.42
ATOM	3139	СВ	GLU		112	43.130	27.204			18.28
ATOM	3140	CG	GLU		112	41.790	27.862	57.105	1.000	24.48
ATOM	3141	CD	GLU		112	40.654	27.199	56.351	1.000	26.29
ATOM	3142	OE1			112	39.501	27.461		1.000	26.21
ATOM	3143		GLU		112	40.909	26.434		1.000	
ATOM	3144	C	GLU		112	44.592	28.379		1.000	17.73
ATOM	3145	Ö	GLU		112	44.083	29.339		1.000	
ATOM	3146	N	TYR		113	45.416	27.518			16.08
ATOM	3147	CA	TYR		113	45.780	27.574	60.502		
ATOM	3148	CB	TYR		113	45.177	26.393	61.277		
ATOM	3149	CG	TYR		113	43.707	26.143		1.000	
ATOM	3150	CD1	TYR		113	43.282	25.255		1.000	
ATOM	3151	CE1	TYR		113	41.933	25.027		1.000	
MOTA	3152	CZ	TYR		113	40.987	25.692		1.000	21.97
ATOM	3153	OH	TYR		113	39.644	25.476			20.75
ATOM	3154	CE2			113	41.385	26.582		1.000	
ATOM	3155		TYR		113	42.735	26.804	61.770		
ATOM	3156	CD2	TYR		113	47.295	27.552			27.43
ATOM	3157	0	TYR		113	48.024	26.950		1.000	18.10
ATOM	3158	N	ILE		114	47.733	28.214	61.752		
	3159	CA	ILE			49.024	27.953	62.338		
MOTA	3160	CB	ILE			49.919	29.192	62.464		
ATOM	3161		ILE			50.399	29.756	61.124		
ATOM	3162		ILE		114	50.784	31.212	61.142		
ATOM						51.079	28.849	63.390		
ATOM	3163		ILE				27.336	63.725		
ATOM	3164	С	ILE			48.786	27.336	64.594		
ATOM	3165	O N	ILE			48.140		63.911		
MOTA	3166	N	VAL		115	49.305	26.125	65.217		
ATOM	3167	CA	VAL		115	49.196	25.470	65.081		
ATOM	3168	CB	VAL		115	48.867	23.969			
ATOM	3169		VAL			49.290	23.223	66.338		
ATOM	3170		VAL			47.385	23.774	64.788		
MOTA	3171	С	VAL	В	115	50.500	25.641	65.985	1.000	22.51

ATOM	3172	0	VAL	В	115	51.	594	25.418	65.450	1.000	14.78
MOTA	3173	N	THR			50.	429	26.049	67.251		
ATOM	3174	CA	THR				704	26.242	67.962	1.000	19.77
ATOM	3175	CB	THR				149	27.711	67.869		23.82
MOTA	3176	OG1					495	27.907	68.350		
ATOM	3177	CG2					242	28.587	68.722	1.000	
ATOM	3178	С	THR				552	25.744	69.390		
ATOM	3179	0	THR		116		467	25.376	69.849	1.000	
ATOM	3180	N	GLN		117		654	25.693	70.119	1.000	
ATOM	3181	CA	GLN		117		679	25.319	71.514	1.000	
ATOM	3182	CB	GLN		117		080	24.807	71.898		24.62
MOTA	3183	CG	GLN		117		034	25.933	72.239	1.000	
ATOM	3184 3185	CD OE1	GLN		117		479	25.515	72.375	1.000	
ATOM ATOM	3186	NE2			117		812	24.331	72.431	1.000	
ATOM	3187	C	GLN		117 117	57. 52.		26.520	72.419	1.000	
ATOM	3188	0	GLN		117			26.512 27.656	72.391		23.75
ATOM	3189	N	GLY		118	52. 51.		26.261	71.939 73.638	1.000	
ATOM	3190	CA	GLY		118	51.		27.416	74.523		21.13
ATOM	3191	C	GLY		118	53.		28.104	74.761	1.000	17.96
ATOM	3192	Ö	GLY		118	54.		27.456	75.207		23.95
ATOM	3193	N	PRO		119	53.		29.390	74.454	1.000	18.88
ATOM	3194	CA	PRO	_	119	54.		30.117	74.548	1.000	23.38
ATOM	3195	СВ			119	53.		31.581	74.327	1.000	19.87
ATOM	3196	CG			119	52.		31.486	73.500	1.000	19.60
ATOM	3197	CD	PRO	В	119	52.		30.260	74.000		17.07
ATOM	3198	С	PRO	В	119	55.		29.980	75.917		25.74
MOTA	3199	0	PRO	В	119	54.		29.867	76.952		21.95
MOTA	3200	N	LEU	В	120	56.	384	29.996	75.884	1.000	24.68
MOTA	3201	CA	LEU	В	120	57.	259	29.997	77.034	1.000	28.37
ATOM	3202	CB	LEU	В	120	58.	542	29.210	76.755	1.000	21.91
MOTA	3203	CG	LEU		120	58.	366	27.711	76.511	1.000	23.23
ATOM	3204	CD1	-		120	59.		27.175	75.642	1.000	
ATOM	3205	CD2	LEU		120	58.3		26.965	77.837	1.000	
ATOM	3206	С	LEU		120	57.		31.439	77.377	1.000	
ATOM	3207	0	LEU		120	57.5		32.304	76.499	1.000	
ATOM	3208	N	PRO		121	58.0		31.692	78.615	1.000	
ATOM	3209	CA	PRO		121	58.5		33.014	78.945	1.000	
ATOM	3210	CB	PRO		121	59.1		32.787		1.000	
ATOM ATOM	3211 3212	CG	PRO			58.3		31.675	80.918		
ATOM	3212	CD C	PRO		121	57.9		30.783	79.773		
ATOM	3213	0	PRO PRO			59.6		33.414	77.943		
ATOM	3215	N	GLY		122	59.7 60.4		34.555	77.489		
ATOM	3216	CA	GLY		122	61.5		32.450			
ATOM	3217	C	GLY			61.1		32.788 32.799	76.653 75.191		
ATOM	3218	Ö	GLY			61.9		33.229	74.365		
ATOM	3219	N	THR			59.9		32.360	74.810		
ATOM	3220	CA	THR			59.6		32.385	73.401		
ATOM	3221	CB	THR			59.2		30.981	72.854		
ATOM	3222	OG1	THR			58.0		30.554	73.480		
ATOM	3223		THR			60.3		29.968	73.169		
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ATOM	3224	С	THR	В	123	58.385	33.260	73.106		
MOTA	3225	0	THR	В	123	57.931	33.303	71.961		
ATOM	3226	N	LYS	В	124	57.853	33.950	74.105	1.000	
MOTA	3227	CA	LYS	В	124	56.691	34.807	73.893		
ATOM	3228	CB	LYS	В	124	56.273	35.483	75.199	1.000	32.16
ATOM	3229	CG	LYS	В	124	57.460	35.814	76.097	1.000	43.91
MOTA	3230	CD	LYS		124	57.144	37.009	76.981	1.000	56.45
ATOM	3231	CE	LYS		124	57.277	36.684	78.458	1.000	47.68
ATOM	3232	NZ		В	124	56.082	37.130		1.000	
ATOM	3233	C		В	124	56.961	35.882	72.845	1.000	
ATOM	3234	0	LYS		124	56.010	36.336	72.203		
	3235	N	ASP		125	58.221	36.273	72.690		
ATOM		CA	ASP		125	58.589	37.344	71.759		
ATOM	3236				125	59.998	37.856	72.044		
ATOM	3237	CB	ASP					73.163		
ATOM	3238	CG	ASP		125	60.063	38.882	73.647		
ATOM	3239		ASP		125	59.010	39.337			
ATOM	3240		ASP		125	61.180	39.261	73.577		
ATOM	3241	С	ASP		125	58.486	36.861	70.313		
MOTA	3242	0	ASP		125	58.053	37.590	69.423		
MOTA	3243	N	ASP		126	58.894	35.619	70.119		
MOTA	3244	CA	ASP		126	58.855	34.917	68.846		
MOTA	3245	CB	ASP	В	126	59.612	33.590	68.923		
MOTA	3246	CG	ASP	В	126	61.095	33.725		1.000	
MOTA	3247	OD1	ASP	В	126	61.684	34.754	68.799	1.000	33.29
ATOM	3248	OD2	ASP	В	126	61.666	32.798	69.837	1.000	36.63
MOTA	3249	С	ASP	В	126	57.410	34.663	68.425	1.000	29.50
MOTA	3250	0	ASP	В	126	57.077	34.759	67.243	1.000	23.31
ATOM	3251	N	PHE	В	127	56.556	34.333	69.391	1.000	27.35
ATOM	3252	CA	PHE	В	127	55.135	34.135	69.089	1.000	28.78
ATOM	3253	СВ	PHE	В	127	54.360	33.783	70.363	1.000	25.58
ATOM	3254	CG	PHE		127	52.860	33.698	70.240	1.000	22.20
ATOM	3255		PHE		127	52.255	32.500	69.878	1.000	21.35
ATOM	3256		PHE		127	50.881	32.398	69.750	1.000	20.50
ATOM	3257	CZ	PHE		127	50.087	33.500	70.006		
ATOM	3258		PHE		127	50.667	34.705	70.361		
ATOM	3259		PHE		127	52.039	34.789	70.487	1.000	
ATOM	3260	C	PHE		127	54.535	35.373		1.000	
ATOM	3261	0	PHE		127	53.905	35.276		1.000	
ATOM	3262	N	TRP		128	54.685	36.549		1.000	
MOTA	3263	CA	TRP			54.065	37.773	68.523		
	3264		TRP			54.104	38.859	69.604		
ATOM		CB	TRP			53.145	38.614	70.734		
ATOM	3265	CG					38.390	72.040		
ATOM	3266		TRP			53.470	38.203	72.789		
ATOM	3267		TRP		128	52.331		71.966		
ATOM	3268		TRP		128	51.240	38.303			
ATOM	3269		TRP		128	51.714	38.558	70.668		
MOTA	3270		TRP		128	50.778	38.703	69.637		
ATOM	3271		TRP		128	49.429	38.592	69.915		
MOTA	3272		TRP		128	48.991	38.335	71.226		
ATOM	3273	CZ2			128	49.878	38.187	72.259		
MOTA	3274	С	TRP			54.735	38.234	67.237		
MOTA	3275	0	TRP	В	128	54.116	38.775	66.322	1.000	21.01

MOTA	3276	N	LYS			56.042	38.016	67.133		
MOTA	3277	CA	LYS	В	129	56.723	38.282	65.866	1.000	
MOTA	3278	CB	LYS	В	129	58.217	37.994	65.979	1.000	
MOTA	3279	CG	LYS		129	58.950	37.985	64.651	1.000	
MOTA	3280	CD	LYS	В	129	60.460	38.047	64.814	1.000	
MOTA	3281	CE	LYS	В	129	61.160	37.738	63.491		52.05
MOTA	3282	ΝZ	LYS	В	129	62.627	37.573		1.000	
MOTA	3283	С	LYS	В	129	56.113	37.409	64.776		
MOTA	3284	0	LYS	В	129	55.893	37.876	63.661		
MOTA	3285	N	MET	В	130	55.848	36.148	65.124	1.000	
MOTA	3286	CA	MET	В	130	55.154	35.233	64.230	1.000	
MOTA	3287	CB	MET	В	130	54.979	33.827	64.845	1.000	19.02
ATOM	3288	ÇG	MET	В	130	54.169	32.925	63.904		
MOTA	3289	SD	MET	В	130	54.092	31.205	64.479		
ATOM	3290	CE	MET	В	130	52.919	31.427		1.000	
MOTA	3291	С	MET	В	130	53.777	35.775		1.000	
ATOM	3292	0	MET	В	130	53.351	35.838		1.000	21.77
MOTA	3293	N	VAL	В	131	53.029	36.170	64.886		12.63
MOTA	3294	CA	VAL	В	131	51.706	36.739	64.639	1.000	19.47
MOTA	3295	CB	VAL	В	131	51.028	37.081	65.977	1.000	24.44
ATOM	3296	CG1	VAL	В	131	49.870	38.035	65.754	1.000	20.24
MOTA	3297	CG2	VAL	В	131	50.586	35.801	66.687	1.000	
ATOM	3298	С	VAL	В	131	51.794	37.977		1.000	
MOTA	3299	0	VAL	В	131	50.974	38.203	62.851	1.000	27.58
MOTA	3300	N	TRP	В	132	52.810	38.804	63.985		
MOTA	3301	CA	TRP	В	132	52.980	40.015	63.177		
MOTA	3302	СВ	TRP	В	132	54.037	40.918	63.807		
ATOM	3303	CG	TRP	В	132	54.280	42.211	63.101	1.000	30.16
ATOM	3304	CD1	TRP	В	132	55.382	42.547	62.364	1.000	34.45
MOTA	3305	NE1	TRP	В	132	55.258	43.822		1.000	35.96
MOTA	3306	CE2	TRP	В	132	54.059	44.338		1.000	
ATOM	3307	CD2	TRP	В	132	53.417	43.354	63.054	1.000	29.88
MOTA	3308	CE3	TRP	В	132	52.159	43.629	63.598	1.000	23.47
MOTA	3309	CZ3	TRP	В	132	51.604	44.866	63.343	1.000	29.19
MOTA	3310	CH2	TRP	В	132	52.271	45.821	62.564	1.000	30.89
MOTA	3311	CZ2	TRP	В	132	53.499	45.590	62.016		31.90
ATOM	3312	С	TRP	В	132	53.348	39.679	61.736		
MOTA	3313	0	TRP	В	132	52.732	40.210		1.000	
MOTA	3314	N	GLU	В	133	54.336	38.817	61.516		
MOTA	3315	CA	GLU	В	133	54.803	38.528	60.167		
MOTA	3316	CB	GLU	В	133	56.122	37.762	60.268		
MOTA	3317	CG	GLU	В	133	57.215	38.565	60.953		
MOTA	3318	CD	GLU	В	133	58.525	37.797	60.960		
MOTA	3319	OE1	GLU	В	133	58.479	36.560	60.767		
MOTA	3320	OE2	GLU	В	133	59.568	38.461	61.151		
MOTA	3321	С	GLU	В	133	53.810	37.732	59.339		
MOTA	3322	0	GLU			53.729	37.935	58.127		
MOTA	3323	N	GLN	В	134	53.050	36.828	59.957		
ATOM	3324	CA	GLN	В	134	52.103	36.010	59.204		
MOTA	3325	СВ	GLN	В	134	51.962	34.639	59.875		
MOTA	3326	CG	GLN	В	134	53.313	33.951	60.093		
MOTA	3327	CD	GLN	В	134	53.852	33.400	58.783	1.000	30.05

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ATOM	3328	OE1	GLN	В	134	53.182	32.656	58.068		
ATOM	3329	NE2	GLN	В	134	55.080	33.772	58.460	1.000	33.18
ATOM	3330	С	GLN	В	134	50.739	36.668	59.092	1.000	26.45
ATOM	3331	0	GLN	В	134	49.769	36.050	58.640	1.000	25.94
ATOM	3332	N	ASN		135	50.646	37.924	59.510	1.000	24.63
ATOM	3333	CA	ASN		135	49.405	38.687	59.374	1.000	
ATOM	3334	CB	ASN		135	49.089	38.902	57.885		27.21
	3335	CG	ASN		135	49.300	40.369	57.529	1.000	
ATOM					135	48.353	41.121	57.307	1.000	
ATOM	3336		ASN				40.770	57.500	1.000	
ATOM	3337		ASN		135	50.565				
ATOM	3338	C	ASN		135	48.223	38.027	60.069		
MOTA	3339	0	ASN		135	47.088	38.019	59.589	1.000	
ATOM	3340	N	VAL		136	48.484	37.467	61.246		
MOTA	3341	CA	VAL		136	47.416	36.859	62.032		
ATOM	3342	CB	VAL		136	48.035	36.029	63.179		
ATOM	3343	CG1	VAL		136	46.958	35.491	64.102		26.47
ATOM	3344	CG2	VAL		136	48.887	34.909	62.599	1.000	
ATOM	3345	С	VAL	В	136	46.469	37.891	62.619	1.000	
MOTA	3346	0	VAL	В	136	46.875	38.904	63.196	1.000	19.31
ATOM	3347	N	HIS	В	137	45.165	37.662	62.502	1.000	24.96
ATOM	3348	CA	HIS	В	137	44.208	38.529	63.180	1.000	24.73
ATOM	3349	СВ	HIS		137	43.215	39.124	62.170	1.000	30.08
ATOM	3350	CG	HIS		137	43.872	40.090	61.240	1.000	35.97
ATOM	3351		HIS		137	43.604	41.435	61.247	1.000	47.37
ATOM	3352				137	44.338	42.022	60.314	1.000	50.81
ATOM	3353		HIS		137	45.073	41.107	59.706		
ATOM	3354		HIS		137	44.799	39.891	60.275		
ATOM	3355	C	HIS		137	43.407	37.801	64.253	1.000	
	3356	0	HIS		137	42.727	38.467	65.026		
ATOM					138	43.469	36.470	64.274		
ATOM	3357	N Ca	ASN		138	42.685	35.702	65.233		
ATOM	3358	CA	ASN				35.702	64.534	1.000	
ATOM	3359	CB	ASN		138	41.491			1.000	
ATOM	3360	CG	ASN		138	40.525	36.056	63.968	1.000	
ATOM	3361		ASN		138	40.383	36.164	62.750		
ATOM	3362		ASN			39.869	36.819	64.842	1.000	
ATOM	3363	C	ASN		138	43.540	34.655	65.938	1.000	
ATOM	3364	0	ASN		138	44.238	33.895	65.262		
ATOM	3365	N			139	43.462	34.638			19.79
ATOM	3366	CA	ILE			44.122	33.625	68.077		
MOTA	3367	CB	ILE	В	139	45.258		68.934		
ATOM	3368		ILE			46.318	34.945	68.101		
MOTA	3369	CD1	ILE	В	139	47.149	35.964	68.850		
ATOM	3370	CG2	ILE	В	139	45.900	33.146	69.806		
ATOM	3371	С	ILE	В	139	43.126	32.902	68.985	1.000	24.46
MOTA	3372	0	ILE	В	139	42.278	33.526	69.624	1.000	24.46
ATOM	3373	N	VAL	В	140	43.264	31.585	69.008	1.000	19.79
MOTA	3374	CA	VAL			42.449	30.644	69.744	1.000	20.63
ATOM	3375	СВ	VAL			41.747	29.622	68.832		
ATOM	3376		VAL			41.044	28.585	69.698		
ATOM	3377		VAL			40.773	30.296	67.875		
ATOM	3378	C	VAL			43.320	29.857	70.731		
ATOM	3379	0	VAL			44.279	29.223	70.306		
011	55.5	-		_						

MOTA	3380	N	MET	В	141	42.990	29.911	72.007	1.000	26.02
MOTA	3381	CA	MET	В	141	43.681	29.264	73.114	1.000	26.63
MOTA	3382	CB	MET	В	141	44.180	30.349	74.076	1.000	21.56
MOTA	3383	CG	MET	В	141	44.895	29.837	75.314	1.000	23.47
MOTA	3384	SD	MET	В	141	45.830	31.148	76.140	1.000	25.00
MOTA	3385	CE	MET	В	141	46.435	30.216	77.558	1.000	23.28
MOTA	3386	С	MET	В	141	42.749	28.270	73.801	1.000	21.18
MOTA	3387	0	MET	В	141	41.699	28.664	74.320	1.000	21.43
ATOM	3388	N	VAL	В	142	43.079	26.991	73.799	1.000	20.95
MOTA	3389	CA	VAL	В	142	42.221	25.959	74.364	1.000	24.30
ATOM	3390	CB	VAL	В	142	41.813	24.856	73.371	1.000	21.57
ATOM	3391	CG1	VAL	В	142	40.925	25.432	72.277	1.000	44.18
ATOM	3392	CG2	VAL	В	142	43.039	24.197	72.760	1.000	32.97
ATOM	3393	C	VAL	В	142	42.918	25.273	75.538	1.000	24.63
MOTA	3394	0	VAL	В	142	42.870	24.057	75.706		
MOTA	3395	N	THR	В	143	43.566	26.104	76.333	1.000	27.52
MOTA	3396	CA	THR	В	143	44.179	25.667		1.000	32.61
MOTA	3397	CB	THR	В	143	45.641	25.224			33.85
ATOM	3398	OG1	THR	В	143	46.111	24.687			32.96
ATOM	3399	CG2	THR	В	143	46.518	26.417			21.18
ATOM	3400	C	THR	В	143	44.152	26.815	78.577	1.000	28.98
ATOM	3401	0	THR	В	143	44.172	27.975	78.178	1.000	26.70
MOTA	3402	N	GLN	В	144	44.115	26.478			26.36
ATOM	3403	CA	GLN	В	144	44.388	27.496			31.26
ATOM	3404	CB	GLN	В	144	43.644	27.201			36.91
ATOM	3405	CG	GLN	В	144	42.161	27.541			45.71
MOTA	3406	CD	GLN	В	144	41.465	27.010			58.10
ATOM	3407	OE1	GLN	В	144	41.528	27.640		1.000	
ATOM	3408	NE2	GLN	В	144	40.807	25.859	83.268	1.000	68.48
ATOM	3409	С	GLN	В	144	45.899	27.536			30.16
ATOM	3410	0	GLN	В	144	46.586	26.558	80.764 1	1.000	23.48
ATOM	3411	N	CYS	В	145	46.426	28.637	81.607 1	1.000	23.70
MOTA	3412	CA	CYS	В	145	47.868	28.723	81.803 1	L.000	23.35
MOTA	3413	CB	CYS	В	145	48.244	30.127	82.276 1	1.000	17.96
MOTA	3414	SG	CYS	В	145	48.066	31.371	80.965 1	1.000	36.78
MOTA	3415	С	CYS	В	145	48.383	27.692	82.799 1	1.000	29.59
ATOM	3416	0	CYS	В	145	49.493	27.168	82.657 1	1.000	29.74
ATOM	3417	N	VAL	В	146	47.547	27.437	83.792 1	.000	26.86
ATOM	3418	CA	VAL	В	146	47.809	26.499	84.877 1	.000	25.79
ATOM	3419	CB	VAL	В	146	48.125	27.210	86.202 1	.000	30.10
ATOM	3420	CG1	VAL	В	146	48.824	26.274	87.179 1	.000	28.99
ATOM	3421	CG2	VAL	В	146	48.980	28.443	85.953 1		
ATOM	3422	С	VAL	В	146	46.606	25.573	85.059 1	.000	20.95
ATOM	3423	0	VAL	В	146	45.458	25.979	85.215 1	.000	28.86
ATOM	3424	N	GLU	В	147	46.878	24.288	85.002 1	.000	24.41
ATOM	3425	CA	GLU	В	147	45.881	23.235	85.161 1		
ATOM	3426	CB	GLU	В	147	45.538	22.562	83.839 1		35.73
ATOM	3427	CG	GLU	В	147	44.603	23.349	82.943 1		41.76
ATOM	3428	CD	GLU	В	147	44.308	22.690	81.610 1		45.31
ATOM	3429	OE1	GLU	В	147	44.722	21.531	81.403 1		
ATOM	3430	OE2	GLU	В	147	43.653	23.322	80.749 1		
ATOM	3431	С	GLU	В	147	46.496	22.288	86.182 1		

ATOM	3432	0	GLU		147	47.457	21.558	85.926		
MOTA	3433	N	LYS		148	45.992	22.325	87.419		49.18
MOTA	3434	CA	LYS		148	46.881	21.658	88.390	1.000	
MOTA	3435	CB	LYS	В	148	46.836	22.434	89.703		46.43
MOTA	3436	CG	LYS	В	148	48.184	23.017	90.088	1.000	42.28
MOTA	3437	CD	LYS	В	148	49.019	23.482			48.15
MOTA	3438	CE	LYS	В	148	50.503	23.260	89.180	1.000	46.56
ATOM	3439	NZ	LYS	В	148	51.361	24.153	88.358	1.000	39.33
ATOM	3440	С	LYS	В	148	46.554	20.182	88.515	1.000	54.15
MOTA	3441	0	LYS	В	148	45.415	19.737	88.387	1.000	67.03
ATOM	3442	N	GLY		149	47.628	19.428	88.760	1.000	52.37
MOTA	3443	CA	GLY		149	48.941	20.037	88.892	1.000	55.56
ATOM	3444	С	GLY		149	49.697	20.137	87.583	1.000	63.58
MOTA	3445	0	GLY		149	50.182	19.100		1.000	62.06
ATOM	3446	N	ARG		150	49.813	21.330	86.999		67.43
ATOM	3447	CA	ARG		150	50.589	21.516		1.000	
ATOM	3448	CB	ARG		150	50.037	20.536		1.000	77.22
ATOM	3449	CG	ARG		150	50.929	19.341	84.438	1.000	76.56
ATOM	3450	CD	ARG		150	52.223	19.406	85.233		73.15
ATOM	3451	NE	ARG		150	53.346	19.893	84.431		71.83
ATOM	3452	CZ	ARG		150	54.098	19.105			75.97
			ARG		150	53.840	17.803			77.01
ATOM	3453				150	55.103	19.611	82.967		68.43
ATOM	3454		ARG ARG			50.600	22.925			53.31
ATOM	3455	C			150			84.687		35.27
ATOM	3456	0	ARG		150	49.604	23.442			34.49
ATOM	3457	N	VAL		151	51.750	23.608	85.234 84.411		
ATOM	3458	CA	VAL		151	51.924	24.799			41.62
ATOM	3459	CB	VAL		151	53.297	25.469	84.557		
ATOM	3460	CG1	VAL		151	53.498	26.491	83.437		
ATOM	3461		VAL		151	53.471	26.163		1.000	
ATOM	3462	С	VAL		151	51.760	24.387		1.000	
ATOM	3463	0	VAL		151	52.372	23.400			39.66
MOTA	3464	N	LYS		152	50.959	25.079			33.45
ATOM	3465	CA	LYS		152	50.754	24.596	80.776		
MOTA	3466	CB	LYS		152	49.302	24.144	80.591		34.13
MOTA	3467	CG	LYS		152	48.830	23.155		1.000	
ATOM	3468	CD	LYS		152	49.804	22.001			38.68
ATOM	3469	CE			152	49.120	20.664	81.549		48.80
MOTA	3470	NZ	LYS		152	50.119	19.577	81.342		72.66
MOTA	3471	С	LYS			51.098	25.644	79.729		
MOTA	3472	0	LYS			51.407	25.310	78.584		
MOTA	3473	N	CYS			51.049	26.923	80.090		
ATOM	3474	CA	CYS	В	153	51.346	27.960	79.093		
ATOM	3475	CB	CYS	В	153	50.165	28.100	78.150		
MOTA	3476	SG	CYS			50.211	29.416	76.916		
ATOM	3477	С	CYS			51.678	29.265	79.801		
MOTA	3478	0	CYS	В	153	51.084	29.606	80.822		
ATOM	3479	N	ASP	В	154	52.637	30.023	79.279		
ATOM	3480	CA	ASP	В	154	52.907	31.332	79.858		
ATOM	3481		ASP			54.191	31.929	79.261		
ATOM	3482		ASP			54.817	32.947	80.200	1.000	41.73
MOTA	3483	OD1	ASP	В	154	56.002	33.296	80.044	1.000	63.43

ATOM	3484	OD2	ASP	В	154	54.104	33.398	81.117	1.000	50.87
ATOM	3485	С	ASP	В	154	51.735	32.287	79.642	1.000	41.87
ATOM	3486	0	ASP	В	154	50.951	32.111	78.703	1.000	33.32
ATOM	3487	N	HIS	В	155	51.623	33.296	80.509	1.000	35.60
MOTA	3488	CA	HIS	В	155	50.654	34.375	80.304	1.000	37.44
ATOM	3489	СВ	HIS	В	155	50.312	35.059	81.628	1.000	36.58
MOTA	3490	CG	HIS	В	155	49.205	36.062	81.526	1.000	32.90
ATOM	3491	ND1	HIS	В	155	47.930	35.814	82.000	1.000	29.00
ATOM	3492	CE1	HIS	В	155	47.168	36.872	81.774		30.32
ATOM	3493	NE2	HIS	В	155	47.903	37.796	81.172		34.71
ATOM	3494	CD2	HIS	В	155	49.182	37.312			27.70
MOTA	3495	С	HIS	В	155	51.236	35.374	79.311	1.000	
MOTA	3496	0	HIS	В	155	51.750	36.422	79.691	1.000	
MOTA	3497	N	TYR		156	51.192	35.068	78.016	1.000	
MOTA	3498	CA	TYR		156	52.011	35.820	77.081	1.000	
MOTA	3499	CB	TYR		156	52.303	34.932	75.855	1.000	
MOTA	3500	CG	TYR		156	51.050	34.394	75.208	1.000	
ATOM	3501	CD1	TYR		156	50.488	35.051	74.120		16.98
MOTA	3502	CE1	TYR		156	49.344	34.554	73.528		17.14
MOTA	3503	CZ	TYR		156	48.745	33.407	73.996	1.000	
ATOM	3504	ОН	TYR		156	47.596	32.928	73.387	1.000	
ATOM	3505	CE2	TYR		156	49.294	32.745	75.074	1.000	
MOTA	3506	CD2	TYR		156	50.439	33.238	75.672		27.13
ATOM	3507	С	TYR		156	51.409	37.129	76.615		
ATOM	3508	0	TYR		156	51.948	37.722	75.673		
MOTA	3509	N			157	50.332	37.596	77.228	1.000	
ATOM	3510	CA			157	49.801	38.920	76.885	1.000	
ATOM	3511	CB	TRP		157	48.389	38.798 38.178	76.324 77.304	1.000	
ATOM	3512	CG			157 157	47.436	38.819	78.180	1.000	
ATOM	3513	CD1	TRP		157	46.608 45.897	37.886	78.896	1.000	
ATOM	3514 3515	NE1 CE2	TRP TRP		157	46.257	36.626	78.495	1.000	
ATOM ATOM	3515	CD2	TRP		157	47.227	36.772	77.488		31.89
ATOM	3517	CE3	TRP		157	47.774	35.630	76.894	1.000	
ATOM	3518	CZ3			157	47.334	34.394	77.324		31.61
ATOM	3519	CH2			157	46.366	34.269	78.328	1.000	
ATOM	3520	CZ2			157	45.819	35.378	78.923	1.000	
ATOM	3521	C	TRP		157	49.806	39.815	78.116		33.23
ATOM	3522	0	TRP			50.003	39.308	79.229	1.000	47.58
MOTA	3523	N	PRO			49.613	41.119	77.999	1.000	35.32
ATOM	3524	CA	PRO			49.665	41.957	79.206	1.000	42.97
ATOM	3525	CB	PRO			49.605	43.384	78.670	1.000	36.94
ATOM	3526	CG	PRO	В	158	49.779	43.296	77.200		
ATOM	3527	CD	PRO	В	158	49.347	41.916	76.793		
MOTA	3528	С	PRO	В	158	48.468	41.701	80.128		
MOTA	3529	0	PRO			47.343	41.559	79.645		
MOTA	3530	N	ALA			48.739	41.658	81.422		
MOTA	3531	CA	ALA			47.823	41.404	82.518		
MOTA	3532	CB	ALA			48.387	41.972	83.819		
ATOM	3533	С	ALA			46.428	41.975	82.282		
MOTA	3534	0	ALA			45.468	41.222	82.121		
MOTA	3535	N	ASP	В	160	46.330	43.297	82.278	1.000	66.84

ATOM	3536	CA	ASP	В	160	45.079	44.010	82.063	1.000	69.30
ATOM	3537	СВ	ASP	В	160	44.668	44.824	83.286	1.000	73.78
ATOM	3538	CG	ASP		160	45.671	44.813	84.417		
ATOM	3539	OD1			160	46.696	45.535	84.324		
		OD1								
ATOM	3540				160	45.449	44.083	85.410		
ATOM	3541	С	ASP		160	45.199	44.934	80.850		
ATOM	3542	0	ASP		160	45.922	44.612	79.904	1.000	
MOTA	3543	N	GLN		161	44.503	46.063	80.897	1.000	65.68
ATOM	3544	CA	GLN	В	161	44.460	47.034	79.813	1.000	60.98
MOTA	3545	CB	GLN	В	161	43.341	48.054	80.079	1.000	66.64
ATOM	3546	CG	GLN	В	161	41.977	47.435	80.326	1.000	70.82
ATOM	3547	CD	GLN	В	161	41.431	46.682	79.129	1.000	73.10
ATOM	3548	OE1	GLN	В	161	41.858	46.906	77.995	1.000	91.18
ATOM	3549	NE2	GLN		161	40.481	45.781	79.367	1.000	
ATOM	3550	С	GLN		161	45.774	47.770	79.607	1.000	
ATOM	3551	Ö	GLN		161	45.860	48.713	78.819	1.000	
ATOM	3552	N	ASP		162	46.841	47.376	80.294	1.000	
ATOM	3553	CA	ASP		162			80.111	1.000	
			ASP			48.126	48.048			
ATOM	3554	CB			162	49.080	47.691	81.251	1.000	
ATOM	3555	CG	ASP		162	49.331	46.204	81.393	1.000	
ATOM	3556	OD1			162	48.588	45.415	80.770	1.000	73.29
ATOM	3557	OD2			162	50.272	45.829	82.129	1.000	
ATOM	3558	С	ASP		162	48.742	47.700	78.759		46.46
MOTA	3559	0	ASP	В	162	48.083	47.149	77.874	1.000	52.43
ATOM	3560	N	SER	В	163	50.014	48.039	78.604	1.000	36.08
MOTA	3561	CA	SER	В	163	50.763	47.761	77.385	1.000	30.11
MOTA	3562	CB	SER	В	163	50.905	49.014	76.523	1.000	37.96
ATOM	3563	OG	SER	В	163	51.383	50.101	77.295	1.000	38.12
ATOM	3564	С	SER	В	163	52.141	47.223	77.724	1.000	31.57
MOTA	3565	0	SER	В	163	52.646	47.355	78.838	1.000	35.55
ATOM	3566	N	LEU		164	52.776	46.591	76.741		30.19
ATOM	3567	CA	LEU		164	54.081	46.002	77.023		21.86
ATOM	3568	СВ	LEU		164	53.918	44.691	77.779		37.42
ATOM	3569	CG	LEU		164	53.641	44.732	79.281		38.91
ATOM	3570	CD1	LEU		164	53.495	43.319	79.843		28.89
ATOM	3571	CD2		В	164	54.736	45.470	80.031	1.000	
ATOM	3572	CDZ	LEU		164	54.730		75.715	1.000	27.76
							45.780			
ATOM	3573	0	LEU		164	54.201	45.635	74.660	1.000	28.16
ATOM	3574	N	TYR			56.150	45.767	75.799	1.000	
ATOM	3575	CA	TYR			56.959	45.469	74.631		
ATOM	3576	CB	TYR			58.338	46.113	74.728		
ATOM	3577	CG	TYR		165	58.373	47.576	74.362		
ATOM	3578	CD1	TYR		165	58.505	47.926	73.022		
ATOM	3579	CE1	TYR		165	58.538	49.248	72.635		
ATOM	3580	CZ	TYR	В	165	58.443	50.244	73.581	1.000	24.85
ATOM	3581	OH	TYR	В	165	58.487	51.546	73.139	1.000	26.61
MOTA	3582	CE2	TYR	В	165	58.309	49.930	74.915	1.000	28.53
ATOM	3583	CD2			165	58.271	48.594	75.307		
ATOM	3584	С	TYR		165	57.109	43.955	74.503		
ATOM	3585	0	TYR		165	57.195	43.254	75.511		
ATOM	3586	N	TYR		166	57.152	43.472	73.271		
ATOM	3587	CA	TYR			57.498	42.072	73.035		
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ATOM	3588	CB	TYR I	3 166	56.268	41.232	72.710 1.000 29.27
MOTA	3589	CG	TYR I	3 166	55.350	41.031	73.899 1.000 32.16
ATOM	3590	CD1	L TYR I	3 166	55.542	39.987	74.805 1.000 27.15
ATOM	3591	CE1	L TYR I	3 166	54.689	39.821	75.884 1.000 26.48
MOTA	3592	CZ	TYR I	3 166	53.637	40.699	76.065 1.000 31.42
MOTA	3593	ОН	TYR I	3 166	52.780	40.552	77.133 1.000 26.92
ATOM	3594	CE2	TYR E	3 166	53.427	41.738	75.182 1.000 25.16
ATOM	3595	CD2	TYR I	3 166	54.282	41.897	74.107 1.000 30.85
ATOM	3596	С	TYR I	3 166	58.533	42.065	71.926 1.000 23.40
ATOM	3597	0	TYR I	3 166	58.221	42.038	70.746 1.000 29.44
ATOM	3598	N	GLY E	3 167	59.815	42.124	72.303 1.000 30.73
ATOM	3599	CA	GLY F	3 167	60.795	42.293	71.225 1.000 31.29
MOTA	3600	С	GLY E	3 167	60.629	43.677	70.620 1.000 34.66
ATOM	3601	0	GLY E	3 167	60.636	44.683	71.340 1.000 26.60
ATOM	3602	N	ASP E	168	60.475	43.757	69.302 1.000 29.65
ATOM	3603	CA	ASP E	168	60.388	45.070	68.660 1.000 31.97
ATOM	3604	СВ	ASP E	168	61.050	45.062	67.282 1.000 30.77
ATOM	3605	CG	ASP E	168	62.559	44.932	67.417 1.000 44.29
ATOM	3606	OD1	ASP E	168	63.059	45.103	68.550 1.000 70.44
ATOM	3607	OD2	ASP E	168	63.238	44.655	66.411 1.000 63.44
ATOM	3608	С	ASP E	168	58.935	45.510	68.551 1.000 32.07
ATOM	3609	0	ASP E		58.619	46.594	68.076 1.000 32.90
ATOM	3610	N	LEU E		58.073	44.613	69.025 1.000 29.35
ATOM	3611	CA	LEU E		56.648	44.870	68.984 1.000 33.24
ATOM	3612	СВ	LEU E		55.877	43.576	68.686 1.000 30.90
ATOM	3613	CG	LEU E		56.205	42.932	67.336 1.000 32.40
ATOM	3614	CD1	LEU B		55.292	41.738	67.129 1.000 26.83
ATOM	3615		LEU B		56.082	43.955	66.219 1.000 27.58
MOTA	3616	С	LEU B	169	56.111	45.433	70.294 1.000 32.00
ATOM	3617	0	LEU B		56.642	45.147	71.365 1.000 27.18
ATOM	3618	N	ILE B		55.042	46.205	70.127 1.000 23.43
ATOM	3619	CA	ILE B		54.297	46.711	71.263 1.000 37.97
ATOM	3620	CB	ILE B	170	54.333	48.242	71.369 1.000 44.96
ATOM	3621	CG1	ILE B	170	53.206	48.832	72.219 1.000 51.13
MOTA	3622	CD1	ILE B	170	53.662	49.989	73.089 1.000 79.46
ATOM	3623	CG2	ILE B		54.345	48.876	69.991 1.000 56.59
ATOM	3624	С	ILE B	170	52.851	46.228	71.147 1.000 36.98
ATOM	3625	0	ILE B	170	52.247	46.337	70.083 1.000 29.48
MOTA	3626	N	LEU B	171	52.367	45.700	72.258 1.000 37.92
MOTA	3627	CA	LEU B	171	51.015	45.200	72.405 1.000 39.12
ATOM	3628	CB	LEU B		51.037	43.709	72.767 1.000 46.39
ATOM	3629	CG	LEU B	171	50.043	42.860	71.971 1.000 52.95
ATOM	3630	CD1	LEU B		50.694	41.558	71.563 1.000 42.82
ATOM	3631	CD2	LEU B	171	48.783	42.619	72.784 1.000 80.84
ATOM	3632	С	LEU B	171	50.235	45.939	73.482 1.000 37.92
ATOM	3633	0	LEU B		50.744	46.261	74.556 1.000 41.84
ATOM	3634	N	GLN B		48.962	46.207	73.191 1.000 33.26
ATOM	3635	CA	GLN B		48.132	46.767	74.257 1.000 42.90
ATOM	3636	CB	GLN B		47.929	48.272	74.095 1.000 43.81
ATOM	3637	CG	GLN B		46.841	48.669	73.123 1.000 44.65
ATOM	3638	CD	GLN B		46.760	50.170	72.905 1.000 41.71
ATOM	3639	OE1	GLN B		47.004	50.675	71.809 1.000 39.38

ATOM	3640	NE2	GLN	В	172	46.410	50.886	73.963		
ATOM	3641	С	GLN	В	172	46.800	46.028	74.274	1.000	36.46
ATOM	3642	0	GLN	В	172	46.205	45.820	73.214	1.000	30.33
ATOM	3643	N	MET	В	173	46.349	45.629	75.460	1.000	34.57
ATOM	3644	CA	MET	В	173	45.024	45.020	75.526	1.000	37.82
ATOM	3645	CB	MET	В	173	44.827	44.177	76.786	1.000	44.70
ATOM	3646	CG	MET	В	173	43.371	44.165	77.243	1.000	48.88
ATOM	3647	SD		В	173	43.091	43.051	78.637	1.000	
ATOM	3648	CE		В	173	43.023	41.490	77.765		30.24
ATOM	3649	C		В	173	43.960	46.115	75.496		37.98
ATOM	3650	0		В	173	43.913	46.968	76.387		50.74
ATOM	3651	N	LEU		174	43.116	46.087	74.476		39.28
ATOM	3652	CA	LEU		174	42.041	47.069	74.379		40.72
	3653	CB	LEU		174	41.705	47.353	72.911		40.72
ATOM								72.084		48.67
ATOM	3654	CG	LEU		174	42.894	47.860			
ATOM	3655	CD1	LEU		174	42.466	48.190	70.666		63.07
ATOM	3656	CD2	LEU		174	43.524	49.058	72.778		40.09
ATOM	3657	C	LEU	_	174	40.794	46.608	75.113		37.13
ATOM	3658	0	LEU		174	39.994	47.450	75.515		41.98
ATOM	3659	N	SER		175	40.613	45.295	75.288		36.81
ATOM	3660	CA	SER		175	39.379	44.856	75.936	1.000	37.02
ATOM	3661	СВ	SER		175	38.204	45.077	74.978	1.000	39.53
MOTA	3662	OG	SER			38.164	44.075	73.975	1.000	60.16
ATOM	3663	С	SER		175	39.419	43.397	76.372		43.07
ATOM	3664	0	SER	В	175	40.144	42.583	75.801	1.000	35.52
MOTA	3665	N	GLU	В	176	38.616	43.077	77.387	1.000	36.53
MOTA	3666	CA	GLU	В	176	38.525	41.721	77.899	1.000	37.42
ATOM	3667	CB	GLU	В	176	39.524	41.528	79.050	1.000	29.90
ATOM	3668	CG	GLU	В	176	39.524	40.101	79.570	1.000	36.55
ATOM	3669	CD	GLU	В	176	40.377	39.924	80.806	1.000	41.20
ATOM	3670	OE1	GLU	В	176	39.808	39.980	81.913	1.000	65.49
ATOM	3671	OE2	GLU	В	176	41.602	39.726	80.667	1.000	51.95
ATOM	3672	С	GLU	В	176	37.120	41.366	78.371	1.000	42.69
ATOM	3673	0	GLU		176	36.658	41.868	79.400		44.27
ATOM	3674	N	SER		177	36.434	40.496	77.627	1.000	39.90
ATOM	3675	CA	SER		177	35.073	40.107	77.983		35.04
ATOM	3676	СВ	SER		177	34.101	40.295	76.816		36.67
ATOM	3677	OG	SER		177	34.475	41.395	76.007	1.000	52.82
ATOM	3678	C	SER		177	35.030	38.658	78.448		41.90
ATOM	3679	Ō	SER			35.160	37.715	77.669		
ATOM	3680	N	VAL			34.840	38.482	79.750		
ATOM	3681	CA	VAL			34.819	37.128	80.295		
ATOM	3682	CB	VAL			35.272	37.120	81.768		
	3683		VAL			35.518	35.735	82.276		
ATOM			VAL				38.006	81.909		
ATOM	3684		VAL		178	36.520		80.163		
ATOM	3685	C				33.439	36.509			
ATOM	3686	0	VAL			32.445	37.037	80.659		
MOTA	3687	N	LEU			33.372	35.372	79.478		
ATOM	3688	CA	LEU			32.098	34.653	79.362		
ATOM	3689	CB	LEU		179	31.753	34.401	77.900		37.56
ATOM	3690	CG	LEU			30.892	35.472	77.222		
MOTA	3691	CD1	LEU	В	179	30.991	36.805	77.946	1.000	33.74

ATOM 3692 CD2 LEU B 179 31.286 35.631 75.766 1.000 47.05 ATOM 3693 C LEU B 179 32.266 33.383 80.189 1.000 30.01 ATOM 3695 N PRO B 180 31.108 32.694 80.467 1.000 44.43 ATOM 3696 CA PRO B 180 31.108 32.694 80.467 1.000 44.43 ATOM 3696 CA PRO B 180 31.210 31.516 81.345 1.000 49.89 ATOM 3697 CB PRO B 180 29.766 31.004 81.441 1.000 47.48 ATOM 3698 CG PRO B 180 29.766 31.004 81.441 1.000 47.48 ATOM 3699 CD PRO B 180 29.760 30.439 80.038 1.000 48.96 ATOM 3701 O PRO B 180 32.130 30.439 80.793 1.000 43.82 ATOM 3701 O PRO B 180 32.877 29.834 81.569 1.000 44.63 ATOM 3701 O PRO B 180 32.877 29.834 81.569 1.000 42.02 ATOM 3702 N GLU B 181 32.144 30.139 79.492 1.000 42.02 ATOM 3705 CG GLU B 181 32.305 28.017 78.245 1.000 42.17 ATOM 3705 CG GLU B 181 32.104 30.139 79.492 1.000 42.67 ATOM 3706 CD GLU B 181 30.101 27.274 78.964 1.000 47.69 ATOM 3708 OE2 GLU B 181 30.101 27.274 78.964 1.000 46.96 ATOM 3708 OE2 GLU B 181 30.101 27.274 78.964 1.000 46.96 ATOM 3708 OE2 GLU B 181 34.270 29.555 78.047 1.000 66.16 ATOM 3710 O GLU B 181 34.270 29.555 78.047 1.000 47.87 ATOM 3710 O GLU B 181 34.270 29.555 78.047 1.000 47.05 ATOM 3711 N TRP B 182 35.473 31.378 77.343 1.000 34.57 ATOM 3712 CA TRP B 182 34.287 30.831 77.987 1.000 34.57 ATOM 3713 CB TRP B 182 34.289 31.021 75.853 1.000 42.24 ATOM 3714 CG TRP B 182 34.289 31.021 75.853 1.000 42.24 ATOM 3715 CD1 TRP B 182 34.289 31.021 75.853 1.000 30.07 ATOM 3717 CE2 TRP B 182 34.289 31.021 75.853 1.000 30.07 ATOM 3717 CE2 TRP B 182 34.289 31.021 75.853 1.000 30.07 ATOM 3717 CE2 TRP B 182 34.085 31.091 77.951 1.000 30.21 ATOM 3719 CE3 TRP B 182 31.584 31.591 75.036 1.000 31.21 ATOM 3712 CA TRP B 182 31.584 31.591 75.036 1.000 31.21 ATOM 3713 CB TRP B 182 31.584 31.591 75.036 1.000 31.21 ATOM 3713 CB TRP B 182 31.584 31.591 75.036 1.000 31.57 ATOM 3715 CD2 TRP B 182 31.584 31.590 77.481 1.000 20.71 ATOM 3715 CD2 TRP B 182 31.584 31.591 75.036 1.000 31.57 ATOM 3725 C TRP B 182 31.584 31.591 75.036 1.000 31.59 ATOM 3735 CB TRP B 183 31.593 37.596 77.481 1.000 20.07 ATOM 3735 CB TRP B 183 31.593	7) TP () M	3692	CD2	TEI	D	179	31.286	35.631	75 766	1 000	47.05
ATOM 3694 O LEU B 179 33.317 33.035 80.611 1.000 33.11 ATOM 3696 CA PRO B 180 31.108 31.694 80.467 1.000 44.43 ATOM 3696 CB PRO B 180 31.210 31.516 81.345 1.000 47.48 ATOM 3697 CB PRO B 180 29.766 31.004 81.441 1.000 47.48 ATOM 3699 CD PRO B 180 29.760 31.004 81.441 1.000 47.48 ATOM 3699 CD PRO B 180 29.720 32.929 80.038 1.000 43.96 ATOM 3701 O PRO B 180 32.130 30.439 80.793 1.000 43.82 ATOM 3701 O PRO B 180 32.130 30.439 80.793 1.000 43.82 ATOM 3701 O PRO B 180 32.144 30.139 79.492 1.000 42.02 ATOM 3703 CA GLU B 181 33.041 29.044 79.095 1.000 41.65 ATOM 3704 CB GLU B 181 33.041 29.044 79.095 1.000 47.94 ATOM 3705 CG GLU B 181 33.050 27.274 78.964 1.000 47.94 ATOM 3705 CG GLU B 181 30.000 27.055 78.047 1.000 47.94 ATOM 3707 CEI GLU B 181 30.000 27.055 78.047 1.000 47.94 ATOM 3708 CEZ GLU B 181 34.270 29.555 77.358 1.000 42.02 ATOM 3709 C GLU B 181 34.270 29.555 78.353 1.000 42.84 ATOM 3710 C GLU B 181 34.270 29.555 78.353 1.000 42.84 ATOM 3711 N TRP B 182 34.287 31.378 77.343 1.000 34.54 ATOM 3712 CA TRP B 182 34.287 31.378 77.343 1.000 34.24 ATOM 3713 CB TRP B 182 34.287 31.453 75.036 1.000 31.49 ATOM 3715 CD TRP B 182 34.287 31.453 75.036 1.000 31.49 ATOM 3715 CD TRP B 182 34.287 31.453 77.343 1.000 34.24 ATOM 3716 CB TRP B 182 34.287 31.453 77.947 1.000 36.54 ATOM 3715 CD TRP B 182 34.287 31.453 77.947 1.000 36.54 ATOM 3716 CB TRP B 182 34.287 31.453 77.947 1.000 36.54 ATOM 3716 CB TRP B 182 34.287 38.097 74.531 1.000 32.21 32.000 32.21 32.000 32.21 32.000 32.21 32.000 32.21 32.000 32.21 32.000 32.21 32.000 32.21 32.000											
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ATOM 3697 CB PRO B 180 29.766 31.004 81.441 1.000 47.96 ATOM 3699 CD PRO B 180 29.720 32.929 80.038 1.000 48.96 ATOM 3690 CD PRO B 180 32.972 32.929 80.038 1.000 48.96 ATOM 3700 C PRO B 180 32.130 30.439 80.793 1.000 43.82 ATOM 3701 O PRO B 180 32.877 29.834 81.569 1.000 44.36 ATOM 3702 N GLU B 181 32.144 30.139 79.492 1.000 42.02 ATOM 3703 CA GLU B 181 32.144 30.139 79.492 1.000 42.02 ATOM 3703 CC GGLU B 181 32.144 79.095 1.000 41.65 ATOM 3704 CB GLU B 181 32.041 79.095 1.000 41.65 ATOM 3705 CG GLU B 181 31.191 27.274 78.964 1.000 42.17 ATOM 3706 CD GLU B 181 30.000 27.055 78.047 1.000 47.94 ATOM 3707 OE1 GLU B 181 29.914 27.274 78.964 1.000 46.96 ATOM 3708 OE2 GLU B 181 29.958 26.017 77.358 1.000 66.99 ATOM 3709 C GLU B 181 34.270 29.552 78.353 1.000 42.89 ATOM 3710 O GLU B 181 34.270 29.552 78.353 1.000 42.89 ATOM 3711 N TRP B 182 34.287 30.831 77.987 1.000 34.57 ATOM 3712 CA TRP B 182 35.473 31.378 77.343 1.000 34.57 ATOM 3713 CB TRP B 182 34.287 31.378 77.343 1.000 34.54 ATOM 3714 CG TRP B 182 35.473 31.378 77.343 1.000 34.24 ATOM 3715 CD1 TRP B 182 34.289 31.453 75.078 1.000 31.49 ATOM 3716 NEI TRP B 182 32.258 31.451 74.051 1.000 30.07 ATOM 3717 CE2 TRP B 182 32.258 31.451 74.051 1.000 33.21 ATOM 3718 CC2 TRP B 182 32.258 31.451 74.051 1.000 36.46 ATOM 3719 CE3 TRP B 182 32.793 29.317 75.030 1.000 38.44 ATOM 3719 CE2 TRP B 182 32.793 29.317 75.030 1.000 38.44 ATOM 3720 CZ3 TRP B 182 32.793 29.317 75.030 1.000 36.84 ATOM 3721 CR2 TRP B 182 32.793 29.317 75.030 1.000 36.84 ATOM 3722 CZ2 TRP B 182 33.046 33.370 77.495 1.000 36.86 ATOM 3723 C TRP B 182 33.046 36.570 78.808 1.000 29.73 ATOM 3730 C TRP B 182 31.038 30.971 73.827 1.000 20.74 ATOM 3730 C TRP B 182 31.038 30.971 73.827 1.000 20.07 ATOM 3723 C TRP B 182 31.038 30.971 73.827 1.000 36.86 ATOM 3724 O TRP B 183 36.466 36.507 78.808 1.000 29.73 ATOM 3735 C C TRP B 183 37.662 34.709 79.589 1.000 35.93 ATOM 3736 CD THR B 183 37.662 34.709 79.589 1.000 35.93 ATOM 3737 C C TRP B 183 37.662 34.709 79.589 1.000 36.86 ATOM 3738 C C LEB 184 36.361 37.392 77.38	ATOM										
ATOM 3698 CG PRO B 180	MOTA		CA	PRO	В				81.345		
ATOM 3699 CD PRO B 180 32.9720 32.929 80.038 1.000 48.96 ATOM 3701 O PRO B 180 32.130 30.439 80.793 1.000 44.36 ATOM 3701 O PRO B 180 32.877 29.834 81.569 1.000 44.36 ATOM 3703 CA GLU B 181 32.144 30.139 79.492 1.000 42.02 ATOM 3704 CB GLU B 181 32.041 29.044 79.095 1.000 41.65 ATOM 3705 CG GLU B 181 32.305 28.017 78.245 1.000 42.17 ATOM 3706 CD GLU B 181 32.305 78.047 1.000 46.96 ATOM 3707 OE1 GLU B 181 29.114 27.932 78.017 1.000 66.99 ATOM 3708 OE2 GLU B 181 29.958 26.017 77.358 1.000 66.16 ATOM 3709 C GLU B 181 29.958 26.017 77.358 1.000 66.16 ATOM 3710 O GLU B 181 35.211 28.790 78.114 1.000 45.33 ATOM 3711 N TRP B 182 34.287 30.831 77.987 1.000 34.57 ATOM 3712 CA TRP B 182 34.287 30.831 77.987 1.000 34.57 ATOM 3713 CB TRP B 182 34.289 31.453 75.078 1.000 34.57 ATOM 3715 CD1 TRP B 182 34.289 31.453 75.078 1.000 34.24 ATOM 3716 NE1 TRP B 182 32.258 31.451 74.014 1.000 24.47 ATOM 3717 CE2 TRP B 182 32.258 31.451 74.014 1.000 30.07 ATOM 3718 CD2 TRP B 182 32.258 31.451 74.014 1.000 30.07 ATOM 3718 CD2 TRP B 182 32.258 31.451 74.014 1.000 30.07 ATOM 3718 CD2 TRP B 182 32.593 29.317 75.030 1.000 38.44 ATOM 3720 CZ3 TRP B 182 32.589 77.451 1.000 38.44 ATOM 3720 CZ3 TRP B 182 32.589 77.452 1.000 36.54 ATOM 3721 CH2 TRP B 182 32.589 77.452 1.000 36.54 ATOM 3722 CZ2 TRP B 182 31.582 28.837 74.562 1.000 38.44 ATOM 3723 C TRP B 182 31.580 77.293 1.000 38.44 ATOM 3724 C TRP B 183 38.465 33.370 77.203 1.000 38.44 ATOM 3725 C TRP B 183 38.466 37.725 29.670 73.827 1.000 32.83 ATOM 3726 C TRP B 183 38.466 37.725 29.670 73.827 1.000 32.83 ATOM 3721 CH2 TRP B 183 38.466 37.725 29.670 73.827 1.000 32.83 ATOM 3723 C TRP B 183 38.466 37.725 29.670 73.827 1.000 36.54 ATOM 3732 C TRP B 183 38.466 37.725 29.670 73.827 1.000 32.83 ATOM 3732 C TRP B 183 38.466 37.725 29.670 73.827 1.000 36.54 ATOM 3733 C TRP B 183 38.466 37.726 21.000 36.64 ATOM 3734 C B HR B 183 38.466 37.726 79.7481 1.000 20.91 ATOM 3735 C TRP B 183 38.456 37.740 79.589 1.000 20.91 ATOM 3736 CD1 ILE B 184 36.341 37.402 73.235 1.000 20.91 ATOM 3737 C B HR B 183 38.4	MOTA	3697	CB	PRO	В	180	29.766	31.004	81.441	1.000	47.48
ATOM 3701 C PRO B 180 32.130 30.439 80.793 1.000 43.82 ATOM 3702 N GLU B 181 32.144 30.139 79.492 1.000 42.02 ATOM 3703 CA GLU B 181 32.144 30.139 79.492 1.000 42.02 ATOM 3703 CB GLU B 181 32.305 28.017 78.245 1.000 42.02 ATOM 3705 CB GLU B 181 32.305 28.017 78.245 1.000 42.02 ATOM 3705 CB GLU B 181 31.91 27.274 78.245 1.000 42.94 ATOM 3707 OE1 GLU B 181 30.000 27.055 78.047 1.000 46.96 ATOM 3708 OE2 GLU B 181 29.114 27.932 78.017 1.000 66.16 ATOM 3708 OE2 GLU B 181 39.206 27.755 78.047 1.000 46.96 ATOM 3708 OE2 GLU B 181 29.114 27.932 78.017 1.000 66.16 ATOM 3701 O GLU B 181 35.211 28.790 78.114 1.000 45.36 ATOM 3710 N TAP B 182 34.287 30.831 77.987 1.000 38.96 ATOM 3711 N TAP B 182 34.287 31.378 77.343 1.000 34.57 ATOM 3711 N TAP B 182 35.493 31.021 75.853 1.000 34.57 ATOM 3713 CB TRP B 182 34.289 31.021 75.853 1.000 34.57 ATOM 3714 CB TRP B 182 32.839 32.683 73.891 1.000 33.21 ATOM 3716 NE1 TRP B 182 32.839 32.683 73.891 1.000 33.21 ATOM 3717 CE2 TRP B 182 32.839 32.683 73.891 1.000 33.44 ATOM 3717 CE2 TRP B 182 32.839 32.683 73.891 1.000 30.44 ATOM 3717 CE2 TRP B 182 32.839 32.683 73.891 1.000 30.44 ATOM 3717 CE2 TRP B 182 32.839 32.683 73.891 1.000 30.44 ATOM 3717 CE2 TRP B 182 32.793 29.317 75.030 1.000 36.54 ATOM 3720 CZ3 TRP B 182 32.793 29.317 75.030 1.000 36.44 ATOM 3720 CZ3 TRP B 182 32.793 29.317 75.030 1.000 36.44 ATOM 3720 CZ3 TRP B 182 32.793 29.317 75.030 1.000 32.83 ATOM 3721 CH2 TRP B 182 31.038 30.971 73.543 1.000 22.73 ATOM 3721 CH2 TRP B 182 31.038 30.971 73.543 1.000 22.73 ATOM 3722 CZ TRP B 182 31.038 30.971 73.543 1.000 22.73 ATOM 3721 CH2 TRP B 182 31.038 30.971 73.543 1.000 22.73 ATOM 3722 CZ TRP B 182 31.036 30.971 73.543 1.000 22.73 ATOM 3722 CZ TRP B 182 31.036 30.971 73.543 1.000 22.73 ATOM 3732 C TRP B 182 31.036 30.971 73.543 1.000 22.73 ATOM 3732 C TRP B 182 31.036 30.971 73.543 1.000 22.73 ATOM 3732 C TRP B 183 38.464 36.766 37.709 79.589 1.000 22.73 ATOM 3731 C TRP B 183 38.464 36.766 37.709 79.589 1.000 22.71 ATOM 3731 C TRP B 183 38.464 36.766 79.784 74.020 1.000 22.71 ATOM	MOTA	3698	CG	PRO	В	180	28.932	32.194	81.096	1.000	47.96
ATOM 3701 O PRO B 180 32.877 29.834 81.569 1.000 44.36 ATOM 3703 CN GLU B 181 32.144 30.139 79.492 1.000 42.17 ATOM 3703 CN GLU B 181 32.305 28.017 78.245 1.000 42.17 ATOM 3706 CG GLU B 181 31.191 27.274 78.964 1.000 46.96 ATOM 3706 CD GLU B 181 30.000 27.2705 78.047 1.000 46.99 ATOM 3707 0E1 GLU B 181 29.958 26.017 77.358 1.000 66.99 ATOM 3708 0E2 GLU B 181 29.958 26.017 77.358 1.000 66.99 ATOM 3709 C GLU B 181 34.270 29.552 78.353 1.000 42.89 ATOM 3710 O GLU B 181 35.211 28.790 78.114 1.000 45.33 ATOM 3711 N TRP B 182 34.287 30.831 77.997 1.000 38.96 ATOM 3712 CA TRP B 182 35.473 31.378 77.343 1.000 34.24 ATOM 3713 CB TRP B 182 34.289 31.453 75.078 1.000 31.49 ATOM 3715 CD1 TRP B 182 34.289 31.453 75.078 1.000 31.49 ATOM 3716 NE1 TRP B 182 32.839 32.663 73.891 1.000 30.07 ATOM 3718 CD2 TRP B 182 32.839 32.663 73.891 1.000 30.07 ATOM 3719 CE2 TRP B 182 32.839 32.663 73.891 1.000 30.44 ATOM 3710 CD2 TRP B 182 32.839 32.663 73.891 1.000 30.07 ATOM 3710 CD2 TRP B 182 32.839 32.663 73.891 1.000 30.07 ATOM 3710 CD2 TRP B 182 32.839 32.663 73.891 1.000 30.07 ATOM 3712 CD2 TRP B 182 32.839 32.663 73.891 1.000 30.07 ATOM 3712 CD2 TRP B 182 32.839 32.663 73.891 1.000 30.07 ATOM 3712 CD2 TRP B 182 32.793 29.670 73.827 1.000 36.86 ATOM 3720 CZ3 TRP B 182 32.793 29.317 75.030 1.000 36.86 ATOM 3721 CH2 TRP B 182 33.145 30.644 74.755 1.000 36.86 ATOM 3722 CZ2 TRP B 182 33.5581 32.890 77.481 1.000 29.73 ATOM 3722 CZ2 TRP B 182 33.793 29.670 73.827 1.000 32.32 ATOM 3723 C TRP B 183 36.786 33.370 77.203 1.000 29.73 ATOM 3724 CB THR B 183 37.043 34.808 77.245 1.000 29.73 ATOM 3732 C TRP B 182 33.696 36.786 37.794 79.795 91.000 27.46 ATOM 3732 C TRP B 182 36.786 37.794 79.795 91.000 27.46 ATOM 3732 C TRP B 183 36.966 36.423 75.42 1.000 26.91 ATOM 3732 C TRP B 183 36.786 37.704 77.802 1.000 27.46 ATOM 3732 C TRP B 183 36.786 37.704 77.802 1.000 27.47 ATOM 3732 C TRP B 183 36.786 37.704 77.802 1.000 27.47 ATOM 3732 C TRP B 183 36.786 37.704 77.802 1.000 27.46 ATOM 3733 C TRP B 183 38.466 36.570 78.408 1.000 27.17 ATOM 3730 C THR B	ATOM	3699	CD	PRO	В	180	29.720	32.929	80.038	1.000	48.96
ATOM 3701 O PRO B 180 32.877 29.834 81.569 1.000 44.36 ATOM 3703 CN GLU B 181 32.144 30.139 79.492 1.000 42.17 ATOM 3703 CN GLU B 181 32.305 28.017 78.245 1.000 42.17 ATOM 3706 CG GLU B 181 31.191 27.274 78.964 1.000 46.96 ATOM 3706 CD GLU B 181 30.000 27.2705 78.047 1.000 46.99 ATOM 3707 0E1 GLU B 181 29.958 26.017 77.358 1.000 66.99 ATOM 3708 0E2 GLU B 181 29.958 26.017 77.358 1.000 66.99 ATOM 3709 C GLU B 181 34.270 29.552 78.353 1.000 42.89 ATOM 3710 O GLU B 181 35.211 28.790 78.114 1.000 45.33 ATOM 3711 N TRP B 182 34.287 30.831 77.997 1.000 38.96 ATOM 3712 CA TRP B 182 35.473 31.378 77.343 1.000 34.24 ATOM 3713 CB TRP B 182 34.289 31.453 75.078 1.000 31.49 ATOM 3715 CD1 TRP B 182 34.289 31.453 75.078 1.000 31.49 ATOM 3716 NE1 TRP B 182 32.839 32.663 73.891 1.000 30.07 ATOM 3718 CD2 TRP B 182 32.839 32.663 73.891 1.000 30.07 ATOM 3719 CE2 TRP B 182 32.839 32.663 73.891 1.000 30.44 ATOM 3710 CD2 TRP B 182 32.839 32.663 73.891 1.000 30.07 ATOM 3710 CD2 TRP B 182 32.839 32.663 73.891 1.000 30.07 ATOM 3710 CD2 TRP B 182 32.839 32.663 73.891 1.000 30.07 ATOM 3712 CD2 TRP B 182 32.839 32.663 73.891 1.000 30.07 ATOM 3712 CD2 TRP B 182 32.839 32.663 73.891 1.000 30.07 ATOM 3712 CD2 TRP B 182 32.793 29.670 73.827 1.000 36.86 ATOM 3720 CZ3 TRP B 182 32.793 29.317 75.030 1.000 36.86 ATOM 3721 CH2 TRP B 182 33.145 30.644 74.755 1.000 36.86 ATOM 3722 CZ2 TRP B 182 33.5581 32.890 77.481 1.000 29.73 ATOM 3722 CZ2 TRP B 182 33.793 29.670 73.827 1.000 32.32 ATOM 3723 C TRP B 183 36.786 33.370 77.203 1.000 29.73 ATOM 3724 CB THR B 183 37.043 34.808 77.245 1.000 29.73 ATOM 3732 C TRP B 182 33.696 36.786 37.794 79.795 91.000 27.46 ATOM 3732 C TRP B 182 36.786 37.794 79.795 91.000 27.46 ATOM 3732 C TRP B 183 36.966 36.423 75.42 1.000 26.91 ATOM 3732 C TRP B 183 36.786 37.704 77.802 1.000 27.46 ATOM 3732 C TRP B 183 36.786 37.704 77.802 1.000 27.47 ATOM 3732 C TRP B 183 36.786 37.704 77.802 1.000 27.47 ATOM 3732 C TRP B 183 36.786 37.704 77.802 1.000 27.46 ATOM 3733 C TRP B 183 38.466 36.570 78.408 1.000 27.17 ATOM 3730 C THR B	ATOM	3700	С	PRO	В	180	32.130	30.439	80.793	1.000	43.82
ATOM 3702 N GLU B 181 32.144 30.139 79.492 1.000 42.02 ATOM 3703 CA GLU B 181 33.041 29.044 79.095 1.000 41.67 ATOM 3704 CB GLU B 181 33.041 29.044 79.095 1.000 41.67 ATOM 3704 CB GLU B 181 31.191 27.274 78.964 1.000 42.17 ATOM 3705 CD GLU B 181 30.000 27.055 78.047 1.000 46.96 ATOM 3707 OEI GLU B 181 29.958 26.017 77.358 1.000 66.99 ATOM 3707 OEI GLU B 181 29.958 26.017 77.358 1.000 66.99 ATOM 3708 OE GLU B 181 34.270 29.552 78.353 1.000 42.89 ATOM 3710 O GLU B 181 34.270 29.552 78.353 1.000 42.89 ATOM 3711 N TRP B 182 34.287 30.831 77.987 1.000 38.96 ATOM 3711 CA TRP B 182 35.473 31.378 77.343 1.000 34.24 ATOM 3712 CA TRP B 182 35.473 31.378 77.343 1.000 34.24 ATOM 3713 CB TRP B 182 34.289 31.453 75.078 1.000 31.49 ATOM 3715 CD1 TRP B 182 34.255 32.679 74.531 1.000 34.24 ATOM 3716 NEI TRP B 182 34.055 32.679 74.531 1.000 30.07 ATOM 3717 CE2 TRP B 182 32.258 31.451 74.014 1.000 24.47 ATOM 3718 CD2 TRP B 182 32.258 31.451 74.014 1.000 24.47 ATOM 3712 CC3 TRP B 182 32.258 31.451 74.014 1.000 30.07 ATOM 3712 CC2 TRP B 182 32.258 31.451 74.014 1.000 24.47 ATOM 3720 CC3 TRP B 182 32.258 31.451 74.014 1.000 36.54 ATOM 3721 CH2 TRP B 182 31.582 28.837 74.562 1.000 36.54 ATOM 3721 CH2 TRP B 182 31.582 28.837 74.562 1.000 36.54 ATOM 3722 CC2 TRP B 182 31.582 28.837 74.562 1.000 36.54 ATOM 3722 CC2 TRP B 182 31.582 28.837 74.562 1.000 36.86 ATOM 3722 CC2 TRP B 182 31.582 28.837 74.562 1.000 32.83 ATOM 3722 CC2 TRP B 182 31.582 28.837 74.562 1.000 29.73 ATOM 3724 CB TRP B 183 36.766 33.079 77.802 1.000 32.83 ATOM 3725 CB TRP B 183 36.766 33.079 77.802 1.000 32.83 ATOM 3722 CC2 TRP B 182 31.582 28.837 74.562 1.000 29.73 ATOM 3723 C TRP B 183 36.464 36.570 78.802 1.000 29.73 ATOM 3724 CB TRP B 183 36.646 36.506 77.802 1.000 29.91 ATOM 3732 C TRP B 183 37.562 34.709 79.589 1.000 27.46 ATOM 3733 C TRP B 183 37.562 34.709 79.589 1.000 27.46 ATOM 3733 C TRP B 183 37.562 34.709 79.589 1.000 27.46 ATOM 3733 C TRP B 183 37.562 34.709 79.589 1.000 27.46 ATOM 3734 C B TRP B 183 37.562 34.709 79.589 1.000 20.91 ATOM 3734 C B TRP B 1	ATOM		0					29.834	81.569	1.000	44.36
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ATOM 3718 CD2 TRP B 182 33.145 30.644 74.755 1.000 36.54 ATOM 3719 CE3 TRP B 182 32.793 29.317 75.030 1.000 38.44 ATOM 3720 CZ3 TRP B 182 31.582 28.837 74.562 1.000 36.86 ATOM 3721 CH2 TRP B 182 30.725 29.670 73.827 1.000 32.83 ATOM 3722 CZ2 TRP B 182 31.038 30.971 73.543 1.000 25.32 ATOM 3723 C TRP B 182 35.581 32.890 77.481 1.000 29.73 ATOM 3724 O TRP B 182 34.637 33.609 77.802 1.000 34.04 ATOM 3725 N THR B 183 36.786 33.370 77.203 1.000 19.61 ATOM 3726 CA THR B 183 37.043 34.808 77.245 1.000 24.25 ATOM 3727 CB THR B 183 38.106 35.096 78.329 1.000 27.46 ATOM 3728 OG1 THR B 183 37.562 34.709 79.589 1.000 35.93 ATOM 3729 CG2 THR B 183 38.446 36.570 78.408 1.000 27.17 ATOM 3730 C THR B 183 38.446 36.570 78.408 1.000 27.17 ATOM 3731 O THR B 183 38.454 34.749 75.312 1.000 28.00 ATOM 3732 N ILE B 184 36.966 36.423 75.422 1.000 26.34 ATOM 3733 CA ILE B 184 36.966 36.423 75.422 1.000 26.34 ATOM 3735 CG1 ILE B 184 36.341 37.420 73.235 1.000 29.02 ATOM 3736 CD1 ILE B 184 36.341 37.420 73.235 1.000 29.02 ATOM 3737 CG2 ILE B 184 36.341 37.420 73.235 1.000 29.02 ATOM 3738 C ILE B 184 36.341 37.420 73.235 1.000 29.02 ATOM 3736 CD1 ILE B 184 36.341 37.420 73.235 1.000 26.11 ATOM 3736 CD1 ILE B 184 36.341 37.420 73.235 1.000 26.57 ATOM 3737 CG2 ILE B 184 36.341 37.420 73.235 1.000 36.60 ATOM 3738 C ILE B 184 36.341 37.420 73.235 1.000 36.57 ATOM 3738 C ILE B 184 36.341 37.420 73.235 1.000 36.57 ATOM 3737 CG2 ILE B 184 36.341 37.420 73.235 1.000 36.57 ATOM 3738 C ILE B 184 36.341 37.420 73.235 1.000 36.57 ATOM 3737 CG2 ILE B 184 36.341 37.420 73.235 1.000 36.57 ATOM 3738 C ILE B 184 37.781 39.186 75.345 1.000 38.29 ATOM 3739 O ILE B 184 37.781 39.186 75.345 1.000 34.57 ATOM 3740 N ARG B 185 39.437 38.501 74.043 1.000 34.57 ATOM 3741 CA ARG B 185 40.147 39.754 74.292 1.000 25.10 ATOM 3742 CB ARG B 185 40.147 39.754 74.292 1.000 25.10	ATOM	3716	NE1	TRP	В	182		32.683	73.891		
ATOM 3719 CE3 TRP B 182 32.793 29.317 75.030 1.000 38.44 ATOM 3720 CZ3 TRP B 182 31.582 28.837 74.562 1.000 36.86 ATOM 3721 CH2 TRP B 182 30.725 29.670 73.827 1.000 32.83 ATOM 3722 CZ2 TRP B 182 31.038 30.971 73.543 1.000 25.32 ATOM 3723 C TRP B 182 35.581 32.890 77.481 1.000 29.73 ATOM 3724 O TRP B 182 34.637 33.609 77.802 1.000 34.04 ATOM 3725 N THR B 183 36.786 33.370 77.203 1.000 19.61 ATOM 3726 CA THR B 183 37.043 34.808 77.245 1.000 24.25 ATOM 3727 CB THR B 183 37.043 34.808 77.245 1.000 24.25 ATOM 3728 OG1 THR B 183 37.562 34.709 79.589 1.000 35.93 ATOM 3729 CG2 THR B 183 37.562 34.709 79.589 1.000 35.93 ATOM 3730 C THR B 183 38.446 36.570 78.408 1.000 27.17 ATOM 3731 O THR B 183 37.539 35.333 75.910 1.000 20.91 ATOM 3732 N ILE B 184 36.966 36.423 75.422 1.000 26.34 ATOM 3733 CA ILE B 184 36.966 36.423 75.422 1.000 26.34 ATOM 3734 CB ILE B 184 36.341 37.420 73.235 1.000 29.02 ATOM 3735 CG1 ILE B 184 36.341 37.420 73.235 1.000 29.02 ATOM 3736 CD1 ILE B 184 36.341 37.420 73.235 1.000 29.02 ATOM 3737 CG2 ILE B 184 36.341 37.420 73.235 1.000 29.02 ATOM 3738 C ILE B 184 36.341 37.420 73.235 1.000 29.02 ATOM 3737 CG2 ILE B 184 36.341 37.420 73.235 1.000 36.57 ATOM 3737 CG2 ILE B 184 36.819 38.293 72.087 1.000 18.36 ATOM 3738 C ILE B 184 36.819 38.293 72.087 1.000 36.57 ATOM 3730 N ARG B 185 39.437 38.501 74.043 1.000 34.57 ATOM 3740 N ARG B 185 39.437 38.501 74.043 1.000 34.57 ATOM 3741 CA ARG B 185 40.147 39.754 74.292 1.000 25.10 ATOM 3742 CB ARG B 185 40.147 39.538 75.100 1.000 28.99	ATOM	3717	CE2	TRP	В	182	32.258	31.451	74.014	1.000	24.47
ATOM 3720 CZ3 TRP B 182 31.582 28.837 74.562 1.000 36.86 ATOM 3721 CH2 TRP B 182 30.725 29.670 73.827 1.000 32.83 ATOM 3722 CZ2 TRP B 182 31.038 30.971 73.543 1.000 25.32 ATOM 3723 C TRP B 182 35.581 32.890 77.481 1.000 29.73 ATOM 3724 O TRP B 182 34.637 33.609 77.802 1.000 34.04 ATOM 3725 N THR B 183 36.786 33.370 77.203 1.000 19.61 ATOM 3726 CA THR B 183 37.043 34.808 77.245 1.000 24.25 ATOM 3727 CB THR B 183 38.106 35.096 78.329 1.000 27.46 ATOM 3728 OG1 THR B 183 37.562 34.709 79.589 1.000 27.46 ATOM 3729 CG2 THR B 183 38.446 36.570 78.408 1.000 27.17 ATOM 3730 C THR B 183 38.446 36.570 78.408 1.000 27.17 ATOM 3731 O THR B 183 38.446 36.570 78.408 1.000 27.17 ATOM 3732 N ILE B 184 36.966 36.423 75.422 1.000 26.34 ATOM 3733 CA ILE B 184 36.966 36.423 75.422 1.000 26.34 ATOM 3734 CB ILE B 184 36.341 37.420 73.235 1.000 29.02 ATOM 3735 CG1 ILE B 184 36.341 37.420 73.235 1.000 29.02 ATOM 3736 CD1 ILE B 184 36.341 37.420 73.235 1.000 29.02 ATOM 3737 CG2 ILE B 184 36.341 37.420 73.235 1.000 29.02 ATOM 3737 CG2 ILE B 184 36.819 38.293 72.087 1.000 18.36 ATOM 3738 C ILE B 184 36.819 38.293 72.087 1.000 18.36 ATOM 3737 CG2 ILE B 184 36.819 38.293 72.087 1.000 36.57 ATOM 3739 O ILE B 184 37.781 39.186 75.345 1.000 31.53 ATOM 3730 N ARG B 185 40.147 39.754 74.292 1.000 25.10 ATOM 3741 CA ARG B 185 40.147 39.754 74.292 1.000 25.10 ATOM 3742 CB ARG B 185 40.147 39.538 75.100 1.000 28.99	ATOM	3718	CD2	TRP	В	182	33.145	30.644	74.755	1.000	36.54
ATOM 3721 CH2 TRP B 182 30.725 29.670 73.827 1.000 32.83 ATOM 3722 CZ2 TRP B 182 31.038 30.971 73.543 1.000 25.32 ATOM 3723 C TRP B 182 35.581 32.890 77.481 1.000 29.73 ATOM 3724 O TRP B 182 34.637 33.609 77.802 1.000 34.04 ATOM 3725 N THR B 183 36.786 33.370 77.203 1.000 19.61 ATOM 3726 CA THR B 183 37.043 34.808 77.245 1.000 24.25 ATOM 3727 CB THR B 183 38.106 35.096 78.329 1.000 27.46 ATOM 3728 OG1 THR B 183 37.562 34.709 79.589 1.000 35.93 ATOM 3729 CG2 THR B 183 38.446 36.570 78.408 1.000 27.17 ATOM 3730 C THR B 183 37.539 35.333 75.910 1.000 20.91 ATOM 3731 O THR B 183 38.454 34.749 75.312 1.000 28.00 ATOM 3732 N ILE B 184 36.966 36.423 75.422 1.000 26.34 ATOM 3733 CA ILE B 184 36.966 36.423 75.422 1.000 26.34 ATOM 3734 CB ILE B 184 36.341 37.400 73.235 1.000 29.02 ATOM 3735 CG1 ILE B 184 36.341 37.420 73.235 1.000 29.02 ATOM 3737 CG2 ILE B 184 36.341 37.420 73.235 1.000 29.02 ATOM 3738 C ILE B 184 36.341 37.420 73.235 1.000 29.02 ATOM 3738 CG1 ILE B 184 36.819 38.293 72.087 1.000 36.57 ATOM 3738 C ILE B 184 36.819 38.293 72.087 1.000 36.57 ATOM 3738 C ILE B 184 36.819 38.293 72.087 1.000 36.57 ATOM 3738 C ILE B 184 36.819 38.293 72.087 1.000 36.57 ATOM 3739 O ILE B 184 36.819 38.293 72.087 1.000 38.29 ATOM 3739 O ILE B 184 37.781 39.186 75.345 1.000 38.29 ATOM 3740 N ARG B 185 39.437 38.501 74.043 1.000 34.57 ATOM 3741 CA ARG B 185 40.147 39.754 74.292 1.000 25.10 ATOM 3742 CB ARG B 185 40.147 39.538 75.100 1.000 28.99	ATOM	3719	CE3	TRP	В	182	32.793	29.317	75.030	1.000	38.44
ATOM 3722 CZ2 TRP B 182 31.038 30.971 73.543 1.000 25.32 ATOM 3723 C TRP B 182 35.581 32.890 77.481 1.000 29.73 ATOM 3724 O TRP B 182 34.637 33.609 77.802 1.000 34.04 ATOM 3725 N THR B 183 36.786 33.370 77.203 1.000 19.61 ATOM 3726 CA THR B 183 37.043 34.808 77.245 1.000 24.25 ATOM 3727 CB THR B 183 38.106 35.096 78.329 1.000 27.46 ATOM 3728 OG1 THR B 183 37.562 34.709 79.589 1.000 27.46 ATOM 3729 CG2 THR B 183 38.446 36.570 78.408 1.000 27.17 ATOM 3730 C THR B 183 37.539 35.333 75.910 1.000 20.91 ATOM 3731 O THR B 183 38.454 34.749 75.312 1.000 28.00 ATOM 3732 N ILE B 184 36.966 36.423 75.422 1.000 26.34 ATOM 3733 CA ILE B 184 36.966 36.423 75.422 1.000 26.34 ATOM 3734 CB ILE B 184 36.341 37.470 73.235 1.000 29.02 ATOM 3735 CG1 ILE B 184 36.341 37.470 73.235 1.000 29.02 ATOM 3737 CG2 ILE B 184 36.341 37.420 73.235 1.000 29.02 ATOM 3738 C ILE B 184 36.819 38.293 72.087 1.000 36.57 ATOM 3738 C ILE B 184 36.819 38.293 72.087 1.000 18.36 ATOM 3738 C ILE B 184 36.819 38.293 72.087 1.000 31.53 ATOM 3739 O ILE B 184 38.232 38.333 74.580 1.000 31.53 ATOM 3730 N ARG B 185 39.437 38.501 74.043 1.000 34.57 ATOM 3740 N ARG B 185 39.437 38.501 74.043 1.000 34.57 ATOM 3740 N ARG B 185 40.147 39.754 74.292 1.000 25.10 ATOM 3742 CB ARG B 185 40.147 39.754 74.292 1.000 25.10	ATOM	3720	CZ3	TRP	В	182	31.582	28.837	74.562	1.000	36.86
ATOM 3723 C TRP B 182 35.581 32.890 77.481 1.000 29.73 ATOM 3724 O TRP B 182 34.637 33.609 77.802 1.000 34.04 ATOM 3725 N THR B 183 36.786 33.370 77.203 1.000 19.61 ATOM 3726 CA THR B 183 37.043 34.808 77.245 1.000 24.25 ATOM 3727 CB THR B 183 38.106 35.096 78.329 1.000 27.46 ATOM 3728 OG1 THR B 183 37.562 34.709 79.589 1.000 27.46 ATOM 3729 CG2 THR B 183 38.446 36.570 78.408 1.000 27.17 ATOM 3730 C THR B 183 37.539 35.333 75.910 1.000 20.91 ATOM 3731 O THR B 183 38.454 34.749 75.312 1.000 28.00 ATOM 3732 N ILE B 184 36.966 36.423 75.422 1.000 26.34 ATOM 3733 CA ILE B 184 36.966 36.423 75.422 1.000 26.34 ATOM 3734 CB ILE B 184 36.341 37.420 73.235 1.000 29.02 ATOM 3735 CG1 ILE B 184 36.341 37.420 73.235 1.000 29.02 ATOM 3736 CD1 ILE B 184 36.341 37.420 73.235 1.000 29.02 ATOM 3737 CG2 ILE B 184 36.819 38.293 72.087 1.000 36.60 ATOM 3738 C ILE B 184 36.819 38.293 72.087 1.000 36.57 ATOM 3739 O ILE B 184 36.819 38.293 72.087 1.000 31.53 ATOM 3730 N ARG B 185 39.437 38.501 74.043 1.000 34.57 ATOM 3740 N ARG B 185 39.437 38.501 74.043 1.000 34.57 ATOM 3741 CA ARG B 185 40.147 39.754 74.292 1.000 25.10 ATOM 3742 CB ARG B 185 40.147 39.754 74.292 1.000 25.10	MOTA	3721	CH2	TRP	В	182	30.725	29.670	73.827	1.000	32.83
ATOM 3723 C TRP B 182 35.581 32.890 77.481 1.000 29.73 ATOM 3724 O TRP B 182 34.637 33.609 77.802 1.000 34.04 ATOM 3725 N THR B 183 36.786 33.370 77.203 1.000 19.61 ATOM 3726 CA THR B 183 37.043 34.808 77.245 1.000 24.25 ATOM 3727 CB THR B 183 38.106 35.096 78.329 1.000 27.46 ATOM 3728 OG1 THR B 183 37.562 34.709 79.589 1.000 27.46 ATOM 3729 CG2 THR B 183 38.446 36.570 78.408 1.000 27.17 ATOM 3730 C THR B 183 37.539 35.333 75.910 1.000 20.91 ATOM 3731 O THR B 183 38.454 34.749 75.312 1.000 28.00 ATOM 3732 N ILE B 184 36.966 36.423 75.422 1.000 26.34 ATOM 3733 CA ILE B 184 36.966 36.423 75.422 1.000 26.34 ATOM 3734 CB ILE B 184 36.341 37.420 73.235 1.000 29.02 ATOM 3735 CG1 ILE B 184 36.341 37.420 73.235 1.000 29.02 ATOM 3736 CD1 ILE B 184 36.341 37.420 73.235 1.000 29.02 ATOM 3737 CG2 ILE B 184 36.819 38.293 72.087 1.000 36.60 ATOM 3738 C ILE B 184 36.819 38.293 72.087 1.000 36.57 ATOM 3739 O ILE B 184 36.819 38.293 72.087 1.000 31.53 ATOM 3730 N ARG B 185 39.437 38.501 74.043 1.000 34.57 ATOM 3740 N ARG B 185 39.437 38.501 74.043 1.000 34.57 ATOM 3741 CA ARG B 185 40.147 39.754 74.292 1.000 25.10 ATOM 3742 CB ARG B 185 40.147 39.754 74.292 1.000 25.10		3722	CZ2	TRP	В	182	31.038	30.971	73.543	1.000	25.32
ATOM 3724 O TRP B 182 34.637 33.609 77.802 1.000 34.04 ATOM 3725 N THR B 183 36.786 33.370 77.203 1.000 19.61 ATOM 3726 CA THR B 183 37.043 34.808 77.245 1.000 24.25 ATOM 3727 CB THR B 183 38.106 35.096 78.329 1.000 27.46 ATOM 3728 OG1 THR B 183 37.562 34.709 79.589 1.000 27.46 ATOM 3729 CG2 THR B 183 38.446 36.570 78.408 1.000 27.17 ATOM 3730 C THR B 183 37.539 35.333 75.910 1.000 20.91 ATOM 3731 O THR B 183 38.454 34.749 75.312 1.000 28.00 ATOM 3732 N ILE B 184 36.966 36.423 75.422 1.000 26.34 ATOM 3733 CA ILE B 184 37.472 37.068 74.208 1.000 26.34 ATOM 3735 CG1 ILE B 184 36.341 37.420 73.235 1.000 29.02 ATOM 3736 CD1 ILE B 184 36.341 37.420 73.235 1.000 29.02 ATOM 3737 CG2 ILE B 184 36.819 38.293 72.681 1.000 36.57 ATOM 3738 C ILE B 184 36.819 38.293 72.087 1.000 18.36 ATOM 3738 C ILE B 184 36.819 38.293 72.087 1.000 31.53 ATOM 3739 O ILE B 184 37.781 39.186 75.345 1.000 34.57 ATOM 3740 N ARG B 185 40.147 39.538 75.100 1.000 25.10 ATOM 3742 CB ARG B 185 41.417 39.538 75.100 1.000 28.99					В						
ATOM 3725 N THR B 183 36.786 33.370 77.203 1.000 19.61 ATOM 3726 CA THR B 183 37.043 34.808 77.245 1.000 24.25 ATOM 3727 CB THR B 183 38.106 35.096 78.329 1.000 27.46 ATOM 3728 OG1 THR B 183 37.562 34.709 79.589 1.000 35.93 ATOM 3729 CG2 THR B 183 38.446 36.570 78.408 1.000 27.17 ATOM 3730 C THR B 183 37.539 35.333 75.910 1.000 20.91 ATOM 3731 O THR B 183 38.454 34.749 75.312 1.000 28.00 ATOM 3732 N ILE B 184 36.966 36.423 75.422 1.000 26.34 ATOM 3733 CA ILE B 184 37.472 37.068 74.208 1.000 26.11 ATOM 3734 CB ILE B 184 36.341 37.420 73.235 1.000 29.02 ATOM 3735 CG1 ILE B 184 36.341 37.420 73.235 1.000 29.02 ATOM 3736 CD1 ILE B 184 36.341 37.420 73.235 1.000 36.60 ATOM 3737 CG2 ILE B 184 34.154 36.545 72.341 1.000 36.57 ATOM 3738 C ILE B 184 36.819 38.293 72.087 1.000 18.36 ATOM 3739 O ILE B 184 38.232 38.333 74.580 1.000 31.53 ATOM 3730 N ARG B 185 39.437 38.501 74.043 1.000 34.57 ATOM 3741 CA ARG B 185 40.147 39.754 74.292 1.000 25.10 ATOM 3742 CB ARG B 185 41.417 39.538 75.100 1.000 28.99											
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ATOM 3743 CG ARG B 185 41.209 39.034 76.522 1.000 31.53			CB								
	ATOM	3743	CG	ARG	В	185	41.209	39.034	76.522	1.000	31.53

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ATOM	3744	CD	ARG	В	185	42.403	38.222	76.976	1.000	
ATOM	3745	NE	ARG		185	42.343	37.791	78.364	1.000	
ATOM	3746	CZ	ARG	В	185	42.092	36.551	78.753	1.000	23.41
MOTA	3747	NH1	ARG	В	185	41.864	35.591	77.867	1.000	20.48
ATOM	3748	NH2	ARG	В	185	42.064	36.264	80.047	1.000	23.08
ATOM	3749	С	ARG	В	185	40.474	40.399	72.952	1.000	34.69
ATOM	3750	0	ARG	В	185	40.557	39.744	71.909	1.000	35.97
ATOM	3751	N	GLU	В	186	40.657	41.714	72.993	1.000	27.86
MOTA	3752	CA	GLU	В	186	41.104	42.376	71.771	1.000	30.56
ATOM	3753	СВ	GLU	В	186	40.003	43.261	71.200	1.000	27.97
ATOM	3754	CG	GLU		186	38.651	42.555	71.232	1.000	39.02
ATOM	3755	CD	GLU		186	37.530	43.456	70.746	1.000	
ATOM	3756	OE1	GLU		186	37.819	44.357	69.928		68.25
ATOM .	3757	OE2	GLU	-	186	36.378	43.243	71.180	1.000	77.37
ATOM	3758	C	GLU		186	42.373	43.152	72.110	1.000	32.85
ATOM	3759	0	GLU		186	42.405	43.798	73.154	1.000	31.08
ATOM	3760	N	PHE	В	187	43.349	43.730			30.67
	3761	CA		В	187			71.332		
ATOM						44.651	43.643			
ATOM	3762	CB	PHE		187	45.761	42.599	71.472		23.26
MOTA	3763	CG	PHE	В	187	45.580	41.563	72.546	1.000	30.99
ATOM	3764	CD1		В	187	45.238	40.260	72.244		27.35
ATOM	3765	CE1	PHE	В	187	45.074	39.304	73.230	1.000	20.96
MOTA	3766	CZ	PHE	В	187	45.244	39.654	74.558	1.000	
ATOM	3767	CE2	PHE	В	187	45.589	40.951	74.882	1.000	33.31
ATOM	3768	CD2	PHE	В	187	45.760	41.891	73.884	1.000	33.33
ATOM	3769	С	PHE	В	187	44.937	44.474	70.079	1.000	32.36
MOTA	3770	0	PHE	В	187	44.466	44.149	68.989		24.82
MOTA	3771	N		В	188	45.731	45.502	70.304	1.000	33.51
MOTA	3772	CA	LYS	В	188	46.366	46.294	69.265	1.000	39.34
MOTA	3773	CB	LYS	В	188	46.107	47.786	69.445	1.000	52.27
MOTA	3774	CG	LYS	В	188	47.360	48.631	69.623	1.000	65.67
ATOM	3775	CD	LYS	В	188	47.208	49.980	68.916	1.000	71.88
MOTA	3776	CE	LYS	В	188	48.299	50.947	69.345	1.000	76.68
MOTA	3777	NZ	LYS	В	188	48.492	52.055	68.375	1.000	77.91
MOTA	3778	С	LYS	В	188	47.867	46.005	69.285	1.000	31.64
MOTA	3779	0	LYS	В	188	48.496	46.016	70.345	1.000	31.25
ATOM	3780	N	ILE	В	189	48.432	45.740	68.110	1.000	25.97
ATOM	3781	CA	ILE	В	189	49.869	45.521	68.045	1.000	32.80
MOTA	3782	CB	ILE	В	189	50.247	44.098	67.612	1.000	38.71
ATOM	3783	CG1	ILE	В	189	49.093	43.327	66.974	1.000	46.51
ATOM	3784	CD1	ILE		189	48.715	43.822	65.594		
ATOM	3785	CG2	ILE	В	189	50.838	43.337	68.787	1.000	53.93
MOTA	3786	С	ILE		189	50.485	46.515	67.066		
ATOM	3787	0	ILE		189	49.888	46.777	66.022		
ATOM	3788	N	CYS		190	51.648	47.022	67.450		
ATOM	3789	CA	CYS		190	52.400	47.934	66.602		
ATOM	3790	СВ	CYS			52.596	49.307	67.233		
ATOM	3791	SG	CYS			51.150	50.118	67.926		
ATOM	3792	C	CYS		190	53.775	47.334	66.282		
ATOM	3793	0	CYS		190	54.446	46.804	67.173		
ATOM	3794	N	GLY			54.140	47.444	65.011		
ATOM	3795	CA	GLY			55.407	46.950	64.504		
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ATOM	3796	С	GLY	В	191	56.063	48.026	63.654 1.000 51.14
ATOM	3797	0	GLY	В	191	55.515	49.122	63.561 1.000 44.72
MOTA	3798	N	GLU	В	192	57.206	47.732	63.051 1.000 65.39
ATOM	3799	CA	GLU	В	192	57.917	48.729	62.251 1.000 74.92
ATOM	3800	СВ	GLU	В	192	59.164	48.118	61.620 1.000 80.08
ATOM	3801	CG	GLU		192	59.486	46.705	62.068 1.000 89.69
ATOM	3802	CD	GLU		192	60.187	46.619	63.406 1.000 99.45
ATOM	3803	OE1	GLU		192	59.909	45.653	64.155 1.000109.46
ATOM	3804	OE2			192	61.017	47.500	63.734 1.000105.75
ATOM	3805	C	GLU	В	192	56.982	49.325	61.190 1.000 77.53
ATOM	3806	0	GLU		192	57.093	50.520	60.921 1.000 71.90
ATOM	3807	N	GLU	В	193	56.119	48.468	60.689 1.000 80.23
ATOM	3808	CA			193	55.037	48.642	59.748 1.000 85.66
ATOM	3809	CB	GLU		193			
	3810		GLU			54.717	50.116	
ATOM		CG			193	53.928	50.436	58.253 1.000106.40
ATOM	3811	CD OF1	GLU		193	52.595	49.734	58.174 1.000115.65
ATOM	3812	OE1	GLU		193	51.537	50.403	58.158 1.000130.32
ATOM	3813	OE2		В	193	52.613	48.478	58.138 1.000120.48
ATOM	3814	C	GLU	В	193	55.364	47.949	58.424 1.000 90.24
ATOM	3815	0	GLU	В	193	56.248	48.389	57.684 1.000 99.18
ATOM	3816	N	GLN	В	194	54.652	46.858	58.146 1.000 94.55
ATOM	3817	CA	GLN		194	54.801	46.130	56.892 1.000 99.07
ATOM	3818	CB	GLN		194	55.799	44.984	57.030 1.000 99.47
ATOM	3819	CG	GLN		194	56.655	45.014	58.284 1.000 99.46
ATOM	3820	CD	GLN		194	58.097	44.616	58.010 1.000 96.93
ATOM	3821	OE1	GLN		194	58.678	44.953	56.977 1.000 92.58
ATOM	3822	NE2	GLN		194	58.682	43.863	58.944 1.000 90.47
ATOM	3823	С	GLN		194	53.449	45.595	56.413 1.000102.41
ATOM	3824	0		В	194	53.158	44.410	56.574 1.000106.43
ATOM	3825	N		В	195	52.649	46.481	55.833 1.000102.43
ATOM	3826	CA		В	195	51.322	46.214	55.301 1.000100.78
ATOM	3827	CB		В	195	51.291	44.888	54.539 1.000 96.19
MOTA	3828	CG		В	195	51.096	44.962	53.021 1.000 88.64
ATOM	3829	CD1	LEU		195	51.473	46.333	52.484 1.000 68.61
ATOM	3830	CD2	LEU		195	51.917	43.868	52.320 1.000 77.73
ATOM	3831	С			195	50.270	46.236	56.412 1.000101.84
ATOM	3832	0			195	49.132	45.812	56.210 1.000107.43
ATOM	3833	N	ASP		196	50.667	46.740	57.570 1.000100.14
ATOM	3834	CA			196	49.834	46.918	58.754 1.000 95.50
ATOM	3835	CB	ASP		196	49.258	45.605	59.253 1.000 93.87
MOTA	3836	CG	ASP			50.159	44.699	60.049 1.000 86.73
ATOM	3837		ASP			51.251	44.300	59.589 1.000 56.18
ATOM	3838		ASP			49.770	44.325	61.183 1.000 68.86
ATOM	3839	C	ASP			50.665	47.613	59.833 1.000 91.65
ATOM	3840		ASP			51.757	47.144	60.157 1.000 97.39
ATOM	3841	N	ALA			50.175	48.732	60.358 1.000 87.23
ATOM	3842	CA	ALA			50.971	49.522	61.291 1.000 84.73
ATOM	3843	CB	ALA			51.043	50.971	60.832 1.000 82.95
ATOM	3844	C	ALA			50.426	49.456	62.716 1.000 82.50
ATOM	3845		ALA			51.192	49.650	63.662 1.000 66.61
	3846		HIS			49.132	49.213	62.833 1.000 82.67
ATOM	3847	CA	HIS	В	TAR	48.373	49.029	64.057 1.000 77.93

ATOM	3848	CB	HIS	В	198	47.927	50.338	64.697	1.000	77.67
MOTA	3849	CG	HIS	В	198	48.200	51.573	63.899	1.000	84.79
ATOM	3850	ND1	HIS	В	198	47.669	51.785	62.645	1.000	86.88
ATOM	3851	CE1	HIS	_	198	48.085	52.952	62.182	1.000	
		NE2		В	198			63.089		
ATOM	3852					48.869	53.503		1.000	87.71
ATOM	3853	CD2		В	198	48.959	52.659	64.170	1.000	85.49
ATOM	3854	С		В	198	47.141	48.164	63.752	1.000	75.55
ATOM	3855	0	HIS	В	198	46.055	48.678	63.493	1.000	83.33
ATOM	3856	N	ARG	В	199	47.365	46.860	63.783	1.000	63.26
ATOM	3857	CA	ARG	В	199	46.380	45.839	63.475	1.000	55.42
ATOM	3858	СВ	ARG		199	47.074	44.642	62.808	1.000	56.72
ATOM	3859	CG	ARG		199	46.181	43.423	62.663	1.000	
ATOM	3860	CD	ARG		199	46.961	42.174	62.308	1.000	
ATOM	3861	NE	ARG		199	48.216	42.423		1.000	35.84
								61.614		
ATOM	3862	CZ		В	199	49.253	41.591	61.677		43.79
ATOM	3863	NH1		В	199	49.171	40.475	62.398		
ATOM	3864	NH2			199	50.368	41.875	61.018		25.11
ATOM	3865	С	ARG	В	199	45.629	45.376	64.717	1.000	43.83
MOTA	3866	0	ARG	В	199	46.181	45.353	65.817	1.000	40.98
ATOM	3867	N	LEU	В	200	44.361	45.010	64.551	1.000	35.65
ATOM	3868	CA	LEU	В	200	43.571	44.511	65.672	1.000	34.82
ATOM	3869	CB	LEU			42.096	44.866	65.560	1.000	37.89
ATOM	3870	CG	LEU		200	41.296	45.146	66.831	1.000	
ATOM	3871	CD1	LEU		200	41.329	43.974	67.800	1.000	44.43
	3872	CD2		В	200	41.794	46.411	67.514		55.08
ATOM									1.000	
ATOM	3873	С			200	43.707	42.991	65.738	1.000	36.55
MOTA	3874	0	LEU		200	43.563	42.331	64.706	1.000	39.15
MOTA	3875	N	ILE			43.977	42.484	66.938	1.000	29.95
ATOM	3876	CA	ILE	В	201	44.033	41.033	67.101	1.000	25.47
ATOM	3877	CB	ILE	В	201	45.314	40.531	67.770	1.000	25.78
ATOM	3878	CG1	ILE	В	201	46.630	40.929	67.102	1.000	24.11
ATOM	3879	CD1	ILE	В	201	46.743	40.486	65.660	1.000	22.88
ATOM	3880	CG2	ILE	В	201	45.271	39.009	67.912	1.000	28.86
ATOM	3881	С		В	201	42.824	40.609	67.935	1.000	
ATOM	3882	0				42.468	41.326	68.864	1.000	36.64
ATOM	3883	N		В		42.229	39.478	67.597	1.000	29.04
ATOM	3884	CA	ARG		202	41.111	38.919	68.353	1.000	28.15
ATOM	3885	CB	ARG		202	39.928	38.698	67.421	1.000	32.44
ATOM	3886	CG	ARG			38.587	39.177		1.000	
ATOM	3887	CD	ARG			38.061	40.347	67.121		
ATOM	3888	NE	ARG			36.996	41.057	67.815		
ATOM	3889	CZ	ARG			36.709	42.345	67.754		
ATOM	3890		ARG			37.410	43.184	67.004	1.000	64.58
ATOM	3891	NH2	ARG	В	202	35.690	42.818	68.467	1.000	95.35
ATOM	3892	С	ARG	В	202	41.552	37.621	69.013	1.000	24.66
ATOM	3893	0	ARG		202	41.976	36.706	68.299	1.000	31.26
ATOM	3894	N	HIS			41.479	37.532	70.330		19.54
ATOM	3895	CA	HIS			41.943	36.336	71.046		
ATOM	3896	CB	HIS			43.011	36.754	72.047		
ATOM	3897	CG	HIS		203	43.762	35.711	72.798		
ATOM	3898		HIS		203	43.762	35.711	73.902		33.06
MOTA	3899	CPT	HIS	D	203	44.154	34.200	74.365	1.000	∠9.90

ATOM	3900	NE2	HIS	В	203	45.231	34.264	73.603	1.000	28.32
ATOM	3901	CD2	HIS	В	203	45.012	35.203	72.620	1.000	29.08
ATOM	3902	С	HIS	R	203	40.790	35.608	71.729		
ATOM	3903	Ö	HIS		203	40.060	36.152	72.557		
MOTA	3904	N	PHE		204	40.599	34.337	71.385	1.000	
ATOM	3905	CA	PHE	_	204	39.474	33.561	71.878	1.000	
ATOM	3906	СВ	PHE	В	204	38.735	32.923	70.702	1.000	21.59
ATOM	3907	CG	PHE	В	204	38.310	33.929	69.657	1.000	29.41
ATOM	3908	CD1	PHE	В	204	39.097	34.183	68.548	1.000	28.21
ATOM	3909	CE1	PHE		204	38.720	35.091	67.585	1.000	29.05
ATOM	3910	CZ	PHE		204	37.537	35.792	67.732	1.000	29.20
ATOM	3911	CE2	PHE		204	36.737	35.544	68.829	1.000	
ATOM	3912	CD2	PHE		204	37.114	34.616	69.779		29.48
ATOM	3913	С	PHE		204	39.947	32.481	72.844		28.09
MOTA	3914	0	PHE	В	204	40.557	31.502	72.406	1.000	31.26
MOTA	3915	N	HIS	В	205	39.676	32.681	74.133	1.000	18.80
ATOM	3916	CA	HIS	В	205	40.188	31.784	75.156	1.000	21.65
ATOM	3917	CB	HIS	В	205	40.883	32.621	76.249	1.000	23.81
ATOM	3918	CG			205	41.692	31.816	77.216		24.84
ATOM	3919	ND1	HIS	В	205	42.280	32.371	78.328	1.000	29.84
ATOM	3920	CE1	HIS	В	205	42.931	31.440	78.997	1.000	32.02
ATOM		NE2								
	3921		HIS			42.793	30.285	78.364		25.82
ATOM	3922	CD2	HIS		205	42.029	30.502	77.251		28.58
MOTA	3923	С	HIS	В	205	39.114	30.895	75.778		28.42
ATOM	3924	0	HIS	В	205	38.277	31.351	76.564	1.000	24.92
ATOM	3925	N	TYR	В	206	39.190	29.613	75.438	1.000	26.78
ATOM	3926	CA	TYR	В	206	38.347	28.572	76.005	1.000	25.27
MOTA	3927	CB	TYR	В	206	38.308	27.361	75.091	1.000	25.32
ATOM	3928	CG	TYR	В	206	37.302	26.289	75.429	1.000	21.60
ATOM	3929	CD1	TYR			35.946	26.502	75.229	1.000	21.30
ATOM	3930	CE1	TYR			35.027	25.519	75.537		22.97
ATOM	3931	CZ	TYR		206	35.457	24.313	76.039	1.000	
ATOM	3932	OH	TYR		206	34.536	23.336	76.341	1.000	53.16
ATOM	3933	CE2	TYR		206	36.799	24.073	76.248		25.66
ATOM	3934	CD2	TYR			37.708	25.067	75.939	1.000	
ATOM	3935	С	TYR	В	206	38.850	28.115	77.369	1.000	23.63
ATOM	3936	0	TYR	В	206	39.927	27.531	77.442	1.000	22.75
ATOM	3937	N	THR	В	207	38.078	28.362	78.419	1.000	28.47
ATOM	3938	CA	THR	В	207	38.594	28.239	79.781	1.000	34.58
ATOM	3939	СВ	THR			38.251	29.523	80.579		29.68
ATOM	3940	OG1	THR			36.868	29.844	80.409		
ATOM	3941		THR			39.025	30.717	80.039		
ATOM	3942	C	THR			38.079	27.031	80.540		
ATOM	3943	0	THR			38.351	26.891	81.740		
MOTA	3944	N	VAL			37.333	26.118	79.912		36.23
MOTA	3945	CA	VAL			36.752	25.066	80.760		32.80
ATOM	3946	CB	VAL	В	208	35.226	25.275	80.831	1.000	28.19
ATOM	3947	CG1	VAL	В	208	34.942	26.537	81.638	1.000	27.38
ATOM	3948	CG2	VAL	В	208	34.601	25.387	79.454		32.82
ATOM	3949	С	VAL			37.089	23.660	80.314		39.69
ATOM	3950	Ō	VAL		208	36.491	22.707	80.825		41.93
ATOM	3951	N	TRP			38.039	23.467	79.397	1.000	
			T T/T	-	200	50.055	20.407	, , , , , , , ,	1.000	10.70

ATOM	3952	CA	TRP	В	209	38.445	22.102	79.049	1.000	36.47
MOTA	3953	CB	TRP	В	209	39.577	22.083	78.032	1.000	31.02
ATOM	3954	CG	TRP	В	209	39.652	20.846	77.194	1.000	28.16
ATOM	3955	CD1	TRP	В	209	39.949	19.583	77.597	1.000	27.98
ATOM	3956	NE1	TRP		209	39.921	18.716	76.527	1.000	33.60
ATOM	3957	CE2	TRP		209	39.600	19.427	75.396	1.000	27.75
MOTA	3958	CD2	TRP		209	39.426	20.768	75.775	1.000	
ATOM	3959	CE3		В	209	39.092	21.719	74.805	1.000	
ATOM	3960	CZ3		В	209	38.941	21.300	73.496	1.000	
	3961	CH2	TRP		209	39.121	19.954	73.151		
ATOM	3962	CZ2			209	39.450	18.999	74.078	1.000	
ATOM			TRP		209	38.888	21.358	80.309	1.000	
MOTA	3963	C				39.737	21.872	81.039		
ATOM	3964	0		В	209		20.185	80.563	1.000	
MOTA	3965	N	PRO		210	38.325			1.000	
MOTA	3966	CA	PRO		210	38.574	19.480	81.825		
MOTA	3967	CB	PRO		210	37.657	18.251	81.742	1.000	
MOTA	3968	CG	PRO		210	36.654	18.591	80.688	1.000	
ATOM	3969	CD	PRO		210	37.408	19.429	79.689	1.000	
MOTA	3970	С	PRO		210	40.020	19.024	81.943	1.000	
ATOM	3971	0	PRO		210	40.737	18.955	80.943	1.000	
ATOM	3972	N	ASP		211	40.425	18.710	83.167	1.000	
ATOM	3973	CA	ASP	В	211	41.772	18.214	83.426	1.000	
ATOM	3974	CB	ASP	В	211	42.010	18.080	84.934	1.000	
ATOM	3975	CG	ASP	В	211	42.375	19.402	85.586	1.000	
ATOM	3976			В	211	42.136	20.463	84.966		52.25
MOTA	3977	OD2	ASP	В	211	42.903	19.369	86.721	1.000	87.29
ATOM	3978	С	ASP	В	211	42.020	16.872	82.747	1.000	39.83
ATOM	3979	0	ASP	В	211	43.122	16.559	82.300	1.000	47.17
ATOM	3980	N	HIS	В	212	40.987	16.044	82.672	1.000	40.86
ATOM	3981	CA	HIS	В	212	41.117	14.730	82.050	1.000	47.36
ATOM	3982	СВ	HIS	В	212	41.076	13.599	83.066	1.000	59.57
ATOM	3983	CG	HIS	В	212	42.146	13.536	84.102	1.000	71.70
MOTA	3984	ND1	HIS	В	212	42.060	14.183	85.313	1.000	74.03
ATOM	3985	CE1	HIS	В	212	43.144	13.953	86.032	1.000	77.44
ATOM	3986			В	212	43.938	13.155	85.336	1.000	79.18
ATOM	3987			В	212	43.332	12.879	84.131	1.000	78.65
ATOM	3988	С		В	212	39.976	14.556	81.049	1.000	44.25
ATOM	3989	0			212	38.865	14.996	81.354	1.000	50.41
ATOM	3990	N			213	40.237	13.936	79.906	1.000	43.28
MOTA	3991	CA	GLY			39.210	13.707	78.905	1.000	34.05
ATOM	3992	C			213	38.716	14.968	78.223		
ATOM	3993	Ö			213	39.361	16.015	78.258		
ATOM	3994	N	VAL			37.550	14.875	77.595		
ATOM	3995	CA	VAL			36.931	15.933	76.818		
ATOM	3996	CB	VAL			36.356	15.345	75.510		
ATOM	3997		VAL			37.467	14.671	74.725		
	3998		VAL			35.226	14.382	75.831		
MOTA MOTA	3999	CGZ	VAL			35.809	16.620	77.575		
	4000	0	VAL			35.366	16.105	78.602		
ATOM	4000	N			214	35.344	17.763	77.089		
ATOM	4001	CA			215	34.151	18.378	77.679		
MOTA MOTA	4002	CB			215	33.784	19.448	76.653		
WI OIM	4002	CD	E 1/O	בו	C T 2	33.704	17.110	, 0.000	1.000	12.10

ATOM	4004	CG	PRO	В	215	35.090	19.835	76.040	1.000	41.27
MOTA	4005	CD	PRO			35.888	18.567	75.982	1.000	37.96
MOTA	4006	С	PRO			33.008	17.374	77.800	1.000	
ATOM	4007	0	PRO			32.766	16.617	76.859		
ATOM	4008	N	GLU			32.333	17.381	78.942	1.000	
ATOM	4009	CA	GLU			31.204	16.498	79.215	1.000	
ATOM	4010	СВ	GLU			30.693	16.699	80.643	1.000	59.73
ATOM	4011	CG			216	29.489	15.856	81.030	1.000	
ATOM	4012	CD	GLU			28.745	16.402	82.236	1.000	71.96
ATOM	4013	OE1			216	29.388	16.616	83.292	1.000	79.59
ATOM	4014	OE2			216	27.515	16.622	82.138	1.000	
ATOM	4015	С	GLU			30.083	16.748	78.217	1.000	50.99
ATOM	4016	0	GLU			29.274	15.873	77.907	1.000	49.11
ATOM	4017	N	THR			30.038	17.981	77.699	1.000	46.20
ATOM	4018	CA			217	29.017	18.266	76.693		46.03
ATOM	4019	CB			217	28.092	19.430	77.079	1.000	38.73
ATOM	4020	OG1			217	26.778	19.154	76.564	1.000	
ATOM	4021	CG2	THR	_	217	28.539	20.738	76.440	1.000	
MOTA	4022	С	THR			29.666	18.582	75.347		49.34
MOTA	4023	0			217	30.797	19.060	75.290		48.39
ATOM	4024	N			218	28.918	18.307	74.287		45.15
ATOM	4025	CA			218	29.328	18.657	72.938		38.83
ATOM	4026	СВ			218	28.599	17.780	71.908	1.000	40.05
ATOM	4027	OG1			218	27.195	18.052	72.006		47.92
ATOM	4028	CG2	THR		218	28.789	16.302	72.204	1.000	37.44
ATOM	4029	C	THR		218	29.025	20.122	72.648		40.85
ATOM	4030	0	THR		218	29.781	20.830	71.985		49.43
ATOM	4031	N	GLN		219	27.886	20.590	73.149	1.000	39.19
ATOM	4032	CA	GLN		219	27.423	21.943	72.863	1.000	40.36
ATOM	4033	CB	GLN		219	26.112	22.238	73.599	1.000	47.97
MOTA	4034	CG	GLN		219	25.063	22.954		1.000	57.22
ATOM	4035	CD	GLN		219	24.636	24.294		1.000	
MOTA	4036		GLN		219	24.948	24.653			76.84
ATOM ATOM	4037	NE2	GLN		219	23.901	25.061	72.531	1.000	73.40
ATOM	4038 4039	С	GLN GLN		219	28.486	22.976	73.229	1.000	40.36
ATOM	4039	O N	SER		219 220	28.610 29.229	23.987	72.535	1.000	40.22
ATOM	4040	CA	SER		220	30.296	22.716 23.588	74.293	1.000	38.53
ATOM	4041	CB	SER			31.039	22.897	75.927	1.000	40.28 36.16
ATOM	4042	OG	SER			31.787	23.830	76.681		
ATOM	4044	C	SER			31.787	23.969	73.678		39.40
ATOM	4045	0	SER			31.451	25.138	73.322		
ATOM	4046	N	LEU			31.977	22.990	73.322		
ATOM	4047	CA	LEU			32.991	23.314	72.093		
ATOM	4048	CB	LEU			33.912	22.118	72.093		
ATOM	4049	CG	LEU			35.282	22.419	71.247		
ATOM	4050		LEU			36.044	23.445	72.073		
ATOM	4051		LEU			36.111	21.152	71.101		
ATOM	4051	C C	LEU			32.323	23.778	70.805		
ATOM	4053	0	LEU			32.776	24.708	70.803		
ATOM	4054	N	ILE			31.217	23.135	70.156		
ATOM	4055	CA	ILE			30.451	23.526	69.277		
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ATOM	4056	CB	ILE	В	222	29.169	22.678	69.172		
ATOM	4057	CG1	ILE	В	222	29.431	21.240	68.707	1.000	28.35
ATOM	4058	CD1	ILE	В	222	28.159	20.425	68.645	1.000	27.69
ATOM	4059	CG2	ILE	В	222	28.131	23.351	68.293	1.000	33.22
MOTA	4060	С	ILE	В	222	30.103	25.005	69.293	1.000	36.01
ATOM	4061	0	ILE	В	222	30.270	25.723	68.300	1.000	32.03
MOTA	4062	N	GLN		223	29.607	25.516	70.425	1.000	29.32
ATOM	4063	CA	GLN		223	29.310	26.951	70.415		35.50
ATOM	4064	СВ	GLN		223	28.535	27.378	71.662	1.000	46.37
ATOM	4065	CG	GLN		223	27.155	27.943	71.365	1.000	60.65
ATOM	4066	CD	GLN		223	26.869	29.302	71.968	1.000	
ATOM	4067		GLN		223	27.164	30.353	71.390	1.000	
ATOM	4068	NE2			223	26.268	29.309	73.157	1.000	
ATOM	4069	C	GLN		223	30.601	27.759	70.275		32.82
	4070	0	GLN		223	30.633	28.704	69.482	1.000	
ATOM	4070		PHE		224	31.643	27.396	71.019		
ATOM		N C7			224	32.907	28.131	70.963	1.000	
ATOM	4072	CA				33.949	27.479	71.869		
ATOM	4073	CB	PHE		224			71.858	1.000	
ATOM	4074	CG	PHE		224	35.314	28.117	72.466		
ATOM	4075	CD1			224	35.532	29.343			
ATOM	4076	CE1			224	36.785	29.925	72.476	1.000	
ATOM	4077	CZ	PHE			37.861	29.306	71.869		
ATOM	4078	CE2				37.654	28.086	71.253	1.000	
ATOM	4079		PHE		224	36.400	27.506	71.255	1.000	
ATOM	4080	С	PHE			33.441	28.175	69.535	1.000	
MOTA	4081	0	PHE			33.832	29.206	68.999		
ATOM	4082	N	VAL		225	33.454	27.006	68.903	1.000	
MOTA	4083	CA	VAL		225	33.933	26.919	67.532		
MOTA	4084	СВ	VAL		225	33.999	25.467	67.029		
ATOM	4085		VAL		225	34.080	25.457	65.499	1.000	
ATOM	4086		VAL		225	35.171	24.740	67.654	1.000	
ATOM	4087	С	VAL		225	33.042	27.709	66.581	1.000	
MOTA	4088	0	VAL		225	33.545	28.329	65.644		35.87
ATOM	4089	N	ARG		226	31.732	27.673	66.823	1.000	
MOTA	4090	CA	ARG		226	30.851	28.464	65.957	1.000	
ATOM	4091	CB	ARG		226	29.398	28.070	66.220		35.23
ATOM	4092	CG	ARG			29.089	26.678		1.000	37.49
ATOM	4093	CD	ARG		226	27.609	26.495		1.000	45.19
ATOM	4094	NE	ARG			27.284	25.237		1.000	
MOTA	4095	CZ	ARG			26.232	24.481	65.025		
ATOM	4096		ARG			25.394	24.845	65.994		
ATOM	4097	NH2	ARG			26.003	23.348	64.369		
ATOM	4098	C	ARG			31.120	29.943	66.166		
ATOM	4099	0	ARG			31.166	30.741	65.228		
MOTA	4100	N	THR	В	227	31.340	30.366	67.409		
ATOM	4101	CA	THR			31.672	31.767	67.647		
MOTA	4102	CB	THR			31.786	32.029	69.165		
ATOM	4103		THR			30.553	31.661	69.790		
ATOM	4104		THR			32.011	33.502	69.440		
ATOM	4105	С	THR			32.980	32.179	66.987		
ATOM	4106	0	THR			33.096	33.245	66.375		
MOTA	4107	N	VAL	В	228	34.011	31.345	67.106	1.000	28.59

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MOTA	4108	CA	VAL			35.306	31.681	66.512		
ATOM	4109	CB	VAL	В	228	36.413	30.705	66.949		
ATOM	4110	CG1			228	37.648	30.824	66.068	1.000	
ATOM	4111	CG2	VAL	В	228	36.821	30.927	68.408	1.000	
ATOM	4112	С	VAL	В	228	35.169	31.706	64.996		31.35
ATOM	4113	0	VAL	В	228	35.760	32.543	64.321		23.32
MOTA	4114	N	ARG	В	229	34.386	30.796	64.422	1.000	32.50
ATOM	4115	CA	ARG	В	229	34.313	30.758	62.950	1.000	35.15
ATOM	4116	СВ	ARG	В	229	33.635	29.463	62.517	1.000	29.29
ATOM	4117	CG	ARG		229	33.187	29.363	61.077	1.000	32.09
ATOM	4118	CD	ARG		229	34.246	29.762	60.075	1.000	36.20
ATOM	4119	NE	ARG			35.498	29.024	60.225		34.10
ATOM	4120	CZ	ARG			36.530	29.145	59.398	1.000	31.12
ATOM	4121		ARG		229	36.458	29.976	58.364		
ATOM	4122		ARG		229	37.637	28.440	59.603		
	4123	C	ARG		229	33.634	32.009	62.407		
ATOM	4123	0	ARG			34.041	32.534			38.65
ATOM			ASP		230	32.621	32.517	63.102		
ATOM	4125	N				31.983	33.770	62.716		34.08
MOTA	4126	CA	ASP				34.161	63.717		
ATOM	4127	CB	ASP			30.892		63.559		
ATOM	4128	CG	ASP		230	29.629	33.328	62.409		
ATOM	4129		ASP		230	29.284	32.975			
MOTA	4130		ASP		230	28.986	33.029	64.589		
ATOM	4131	С	ASP			32.996	34.899	62.621		
MOTA	4132	0	ASP			32.925	35.752	61.737		
MOTA	4133	N	TYR			33.967	34.941	63.537		
ATOM	4134	CA	TYR			34.903	36.062	63.457		
MOTA	4135	CB	TYR			35.624	36.312	64.779		
ATOM	4136	CG	TYR			34.805	37.080	65.791		
MOTA	4137	CD1	TYR		231	33.863	36.439	66.582		
ATOM	4138	CE1	TYR			33.119	37.148	67.508	1.000	
MOTA	4139	CZ	TYR			33.311	38.506	67.647		
MOTA	4140	OH	TYR	В	231	32.572	39.217	68.563	1.000	
ATOM	4141	CE2				34.240	39.164	66.874		
MOTA	4142	CD2	TYR	В	231	34.981	38.448	65.951	1.000	
ATOM	4143	С	TYR	В	231	35.937	35.836	62.358	1.000	
ATOM	4144	0	TYR	В	231	36.404	36.825	61.794		
ATOM	4145	N	ILE	В	232	36.288	34.583	62.079		
ATOM	4146	CA	ILE	В	232	37.274	34.317	61.032		
MOTA	4147	CB	ILE	В	232	37.731	32.855	60.956		
MOTA	4148	CG1	ILE	В	232	38.610	32.387	62.123	1.000	28.07
ATOM	4149	CD1	ILE	В	232	38.492	30.888	62.342	1.000	30.24
ATOM	4150	CG2	ILE	В	232	38.435	32.591	59.628	1.000	13.37
ATOM	4151	С	ILE			36.664	34.713	59.686	1.000	24.35
ATOM	4152	0	ILE			37.327	35.289	58.829	1.000	42.38
ATOM	4153	N	ASN			35.384	34.401	59.536		
MOTA	4154	CA	ASN			34.678	34.774	58.310		
ATOM	4155	СВ	ASN			33.288	34.125	58.331		
ATOM	4156	CG	ASN			33.411	32.644	58.011		
ATOM	4157		ASN			34.456	32.194	57.542		
ATOM	4158		ASN				31.889	58.275		
ATOM	4159	C	ASN			34.602	36.285	58.135		
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ATOM	4160	0	ASN	В	233	34.526	36.785	57.012		
MOTA	4161	N	ARG	В	234	34.636	37.051	59.217		38.25
MOTA	4162	CA	ARG	В	234	34.605	38.501	59.186	1.000	36.43
ATOM	4163	CB	ARG	В	234	33.826	39.055	60.391	1.000	49.91
ATOM	4164	CG	ARG	В	234	32.397	38.562	60.514	1.000	60.74
ATOM	4165	CD	ARG	В	234	31.528	39.486	61.349	1.000	58.98
ATOM	4166	NE	ARG	В	234	30.847	38.790	62.440	1.000	54.26
ATOM	4167	CZ	ARG		234	31.260	38.870	63.702	1.000	52.64
ATOM	4168		ARG			32.325	39.608	63.990	1.000	52.91
ATOM	4169		ARG		234	30.626	38.228	64.671	1.000	46.68
ATOM	4170	С	ARG			35.998	39.117	59.211		
ATOM	4171	0	ARG			36.115	40.331	59.418	1.000	
ATOM	4172	N	SER			37.061	38.347	59.020	1.000	
ATOM	4173	CA	SER		235	38.421	38.885	59.043		32.54
ATOM	4174	CB	SER		235	39.279	38.104	60.042		34.07
	4175	OG	SER			38.666	38.004	61.314		
ATOM	4176	C	SER			39.076	38.841	57.671		
ATOM	4177	0	SER			40.079	38.152	57.421		
ATOM			PRO			38.561	39.592	56.707		
ATOM	4178	N				39.064	39.383	55.341		
ATOM	4179	CA	PRO		236	38.093		54.494	1.000	
ATOM	4180	CB	PRO		236		40.193	55.406		
ATOM	4181	CG	PRO		236	37.658	41.297	56.775		
ATOM	4182	CD	PRO		236	37.577	40.675	55.278		
MOTA	4183	C	PRO		236	40.491	39.914		1.000	
ATOM	4184	0	PRO		236	40.815	40.861	56.008		
MOTA	4185	N	GLY		237	41.304	39.292	54.422		
ATOM	4186	CA	GLY			42.692	39.734	54.313		
MOTA	4187	С	GLY		237	43.533	39.226	55.468	1.000	
ATOM	4188	0	GLY		237	44.720	39.537	55.554		36.96
MOTA	4189	N	ALA		238	42.940	38.440	56.365		
ATOM	4190	CA	ALA		238	43.680	37.890	57.499		29.23
MOTA	4191	CB	ALA			42.706	37.471	58.590		
ATOM	4192	C	ALA		238	44.543	36.705	57.090	1.000	
ATOM	4193	0	ALA			44.178	35.916	56.220		
ATOM	4194	N	GLY		239	45.703	36.544	57.722		26.54
MOTA	4195	CA	GLY			46.486	35.346	57.425		
ATOM	4196	С	GLY			45.930	34.157	58.191		
ATOM	4197	0	GLY			44.747	34.100	58.534	1.000	
MOTA	4198	N	PRO			46.775	33.188	58.496		
ATOM	4199	CA	PRO			46.306		59.199		
ATOM	4200	CB			240	47.566	31.135	59.350		
ATOM	4201	CG			240	48.509	31.669	58.321		
ATOM	4202	CD			240	48.223	33.140	58.223		
ATOM	4203	С	PRO			45.763	32.328	60.583		
ATOM	4204	0	PRO			46.235	33.194	61.314		
ATOM	4205	N	THR			44.723	31.581	60.949		
ATOM	4206	CA	THR			44.224	31.620	62.317		
ATOM	4207	CB	THR			42.791	31.078	62.389		
MOTA	4208		THR			41.906	31.922	61.633		
ATOM	4209		THR			42.286	31.088	63.823		
ATOM	4210	С			241	45.177	30.793	63.182		
ATOM	4211	0	THR	В	241	45.459	29.624	62.873	1.000	23.21

ATOM 4212 N VAL B 242 45.693 31.386 64.249 1.000 26.37 ATOM 4214 CB VAL B 242 47.476 31.650 65.969 1.000 17.77 ATOM 4215 CG1 VAL B 242 47.973 30.997 67.245 1.000 24.64 ATOM 4216 CG2 VAL B 242 47.993 30.997 67.245 1.000 24.64 ATOM 4217 C VAL B 242 44.763 30.997 67.245 1.000 24.64 ATOM 4218 C VAL B 242 44.763 30.997 67.245 1.000 24.82 ATOM 4218 C VAL B 242 44.763 30.997 66.707 1.000 21.82 ATOM 4219 N VAL B 242 44.763 30.387 66.707 1.000 22.41 ATOM 4219 N VAL B 243 46.124 28.618 66.415 1.000 18.94 ATOM 4220 CA VAL B 243 45.444 27.807 67.426 1.000 16.94 ATOM 4221 CB VAL B 243 44.545 26.575 66.797 1.000 22.59 ATOM 4222 CG1 VAL B 243 44.512 26.759 66.797 1.000 22.59 ATOM 4223 CG2 VAL B 243 43.612 27.396 65.744 1.000 15.21 ATOM 4224 C VAL B 243 46.477 27.132 68.314 1.000 19.80 ATOM 4225 O VAL B 243 46.477 27.132 68.314 1.000 19.80 ATOM 4226 C N HIS B 244 46.315 27.189 69.642 1.000 17.80 ATOM 4227 CA HIS B 244 46.315 27.189 69.642 1.000 17.80 ATOM 4228 CB HIS B 244 48.895 27.365 70.842 1.000 23.12 ATOM 4229 CG HIS B 244 48.250 28.450 71.842 1.000 20.11 ATOM 4230 ND1 HIS B 244 48.895 28.263 73.200 1.000 23.45 ATOM 4231 CE1 HIS B 244 48.650 30.330 72.921 1.000 22.87 ATOM 4232 NE2 HIS B 244 47.962 29.762 71.675 1.000 22.87 ATOM 4233 CD2 HIS B 244 47.962 29.762 71.675 1.000 23.45 ATOM 4231 CE1 HIS B 244 47.962 29.762 71.675 1.000 22.87 ATOM 4232 NE2 HIS B 244 47.962 29.762 71.675 1.000 23.45 ATOM 4233 CD2 HIS B 244 47.962 29.762 71.675 1.000 23.45 ATOM 4234 C HIS B 244 46.550 26.460 71.783 1.000 25.71 ATOM 4236 N CYS B 245 46.930 30.330 72.921 1.000 22.87 ATOM 4237 CA CYS B 245 46.233 23.282 73.751 1.000 25.71 ATOM 4240 C C SYS B 245 46.233 23.282 73.751 1.000 25.71 ATOM 4241 O CYS B 245 46.930 30.387 75.921 1.000 25.71 ATOM 4240 C C SYS B 245 46.930 30.387 75.921 1.000 25.71 ATOM 4241 O CYS B 245 47.962 29.762 71.461 1.000 23.10 ATOM 4240 C C SYS B 245 46.930 30.877 71.953 1.000 25.71 ATOM 4240 C C SYS B 245 46.930 30.877 71.953 1.000 25.71 ATOM 4250 C B ALA B 247 50.731 21.962 74.457 1.000 15.75 ATOM 4251 C A ALA B 247 5					_	0.40	45 600	21 206	C1 210	1 000	26 27
ATOM 4215 CG1 VAL B 242 47.976 31.650 65.969 1.000 17.77 ATOM 4216 CG2 VAL B 242 47.993 30.997 67.245 1.000 24.64 ATOM 4217 C VAL B 242 48.652 32.105 65.118 1.000 18.35 ATOM 4218 0 VAL B 242 44.763 30.997 66.707 1.000 22.41 ATOM 4219 N VAL B 242 44.763 30.387 66.707 1.000 22.43 ATOM 4219 N VAL B 243 46.124 28.618 66.415 1.000 18.95 ATOM 4220 CA VAL B 243 45.444 27.807 67.426 1.000 16.94 ATOM 4221 CB VAL B 243 44.512 26.759 66.797 1.000 22.59 ATOM 4222 CG1 VAL B 243 44.512 26.759 66.797 1.000 22.59 ATOM 4223 CG2 VAL B 243 44.512 26.759 66.797 1.000 22.59 ATOM 4224 C VAL B 243 44.512 26.759 66.797 1.000 25.25 ATOM 4225 O VAL B 243 44.512 26.759 66.797 1.000 25.25 ATOM 4226 N HIS B 244 46.315 27.396 65.744 1.000 15.21 ATOM 4226 N HIS B 244 46.315 27.896 69.642 1.000 17.73 ATOM 4227 CA HIS B 244 47.275 26.507 70.500 1.000 23.12 ATOM 4228 CB HIS B 244 48.867 27.365 70.842 1.000 20.11 ATOM 4230 ND1 HIS B 244 48.867 27.365 70.842 1.000 20.11 ATOM 4231 CE1 HIS B 244 48.867 27.365 70.842 1.000 20.11 ATOM 4231 CE1 HIS B 244 48.867 29.396 73.828 1.000 22.23 ATOM 4232 NE2 HIS B 244 47.962 29.396 73.828 1.000 22.23 ATOM 4231 CE1 HIS B 244 47.962 29.396 73.828 1.000 22.23 ATOM 4232 NE2 HIS B 244 47.962 29.366 71.841 1.000 20.89 ATOM 4233 CD2 HIS B 244 47.962 29.396 73.828 1.000 22.23 ATOM 4236 N CYS B 245 46.997 24.642 73.777 1.000 19.80 ATOM 4237 CA CYS B 245 46.997 24.642 73.777 1.000 19.80 ATOM 4238 CB CYS B 245 46.997 24.642 73.777 1.000 19.80 ATOM 4239 CB CYS B 245 46.997 24.642 73.777 1.000 19.80 ATOM 4240 C CYS B 245 48.948 25.667 74.457 1.000 27.00 ATOM 4240 C CYS B 245 48.948 25.667 74.457 1.000 27.00 ATOM 4241 O CYS B 245 48.948 25.667 74.457 1.000 29.70 ATOM 4242 C C B R B 246 49.839 22.627 77.146 1.000 23.17 ATOM 4240 C CYS B 245 48.948 25.667 74.457 1.000 29.70 ATOM 4241 O CYS B 245 48.948 25.667 74.457 1.000 29.70 ATOM 4242 C C B R B 246 49.839 22.627 77.146 1.000 20.00 ATOM 4240 C C CYS B 245 48.948 25.667 74.959 1.000 28.93 ATOM 4246 C C SER B 246 49.839 22.627 77.146 1.000 29.70 ATOM 4250 CB ALA B 247 52.187	MOTA	4212	N				45.693	31.386			
ATOM 4215 CG1 VAL B 242 47.993 30.997 67.245 1.000 24.64 ATOM 4216 CG2 VAL B 242 48.652 32.105 65.118 1.000 18.35 ATOM 4217 C VAL B 242 45.745 29.871 66.171 1.000 21.83 ATOM 4218 0 VAL B 242 44.763 30.387 66.707 1.000 22.41 ATOM 4219 N VAL B 243 46.124 28.618 66.415 1.000 24.38 ATOM 4220 CA VAL B 243 45.144 27.807 67.426 1.000 16.37 ATOM 4221 CB VAL B 243 44.512 26.759 66.797 1.000 22.95 ATOM 4222 CG1 VAL B 243 43.664 60.72 67.863 1.000 26.25 ATOM 4223 CG2 VAL B 243 43.662 60.72 67.863 1.000 15.21 ATOM 4224 C VAL B 243 44.612 27.396 65.744 1.000 15.21 ATOM 4225 O VAL B 243 47.444 26.566 67.807 1.000 19.30 ATOM 4226 C VAL B 243 47.275 66.507 10.000 19.30 ATOM 4227 CA HIS B 244 46.315 27.189 69.642 1.000 17.73 ATOM 4228 CB HIS B 244 48.250 28.450 71.842 1.000 20.40 ATOM 4229 CG HIS B 244 48.857 26.507 70.500 1.000 23.12 ATOM 4228 CB HIS B 244 48.857 27.365 70.842 1.000 20.40 ATOM 4230 ND1 HIS B 244 48.857 27.367 70.500 1.000 23.45 ATOM 4231 CE1 HIS B 244 48.857 27.367 70.500 1.000 23.45 ATOM 4232 NE2 HIS B 244 47.850 30.330 72.921 1.000 22.40 ATOM 4231 CE1 HIS B 244 48.657 29.396 73.828 1.000 22.25 ATOM 4232 NE2 HIS B 244 47.850 30.330 72.921 1.000 22.87 ATOM 4233 NCD HIS B 244 47.965 30.330 72.921 1.000 22.87 ATOM 4234 C HIS B 244 47.850 30.330 72.921 1.000 22.87 ATOM 4235 O HIS B 244 46.582 26.046 71.783 1.000 26.22 ATOM 4236 N CYS B 245 46.582 26.046 71.783 1.000 22.87 ATOM 4237 CA CYS B 245 46.582 26.046 71.783 1.000 25.22 ATOM 4237 CA CYS B 245 46.582 26.046 71.783 1.000 25.22 ATOM 4238 CB CYS B 245 46.582 26.046 71.783 1.000 25.02 ATOM 4240 N CYS B 245 46.293 23.282 73.751 1.000 18.95 ATOM 4240 N CYS B 245 46.293 23.282 73.751 1.000 18.95 ATOM 4240 N CYS B 245 46.293 23.282 73.751 1.000 28.34 ATOM 4240 N CYS B 245 47.950 24.655 74.457 1.000 29.70 ATOM 4240 N SER B 246 49.846 23.537 75.921 1.000 28.34 ATOM 4240 N SER B 246 50.934 23.887 74.951 1.000 28.35 ATOM 4241 O CYS B 245 48.969 22.228 70.206 1.000 20.49 ATOM 4242 N SER B 246 50.940 23.889 74.856 1.000 33.31 ATOM 4245 C C ALA B 247 50.363 21.743 71.851											
ATOM 4216 CG2 VAL B 242	MOTA										
ATOM 4218 O VAL B 242	MOTA										
ATOM 4218 O VAL B 242	MOTA	4216	CG2								
ATOM 4219 N VAL B 243	ATOM	4217	С	VAL	В	242	45.745				
ATOM 4220 CA VAL B 243	ATOM	4218	0	VAL	В	242	44.763	30.387			
ATOM 4221 CB VAL B 243	MOTA	4219	N	VAL	В	243	46.124	28.618	66.415		
ATOM 4222 CG1 VAL B 243	ATOM	4220	CA	VAL	В	243	45.444	27.807	67.426	1.000	16.94
ATOM 4223 CG2 VAL B 243	ATOM	4221	СВ	VAL	В	243	44.512	26.759	66.797		
ATOM 4224 CC VAL B 243			CG1	VAL	В	243	43.664	26.072	67.863	1.000	26.25
ATOM 4224 C VAL B 243			CG2	VAL	В	243	43.612	27.396	65.744	1.000	15.21
ATOM 4225 O VAL B 243							46.477	27.132	68.314	1.000	19.30
ATOM 4226 N HIS B 244			0				47.444	26.568	67.807	1.000	19.80
ATOM 4227 CA HIS B 244			N	HIS			46.315	27.189	69.642	1.000	17.73
ATOM 4228 CB HIS B 244									70.500	1.000	23.12
ATOM 4229 CG HIS B 244											
ATOM 4230 ND1 HIS B 244											
ATOM 4231 CE1 HIS B 244											
ATOM 4232 NE2 HIS B 244 47.850 30.330 72.921 1.000 22.87 ATOM 4233 CD2 HIS B 244 47.962 29.762 71.675 1.000 18.95 ATOM 4233 CD HIS B 244 45.501 26.501 72.131 1.000 23.10 ATOM 4236 N CYS B 245 46.907 24.642 73.777 1.000 19.58 ATOM 4237 CA CYS B 245 46.907 24.642 73.777 1.000 19.58 ATOM 4238 CB CYS B 245 46.233 23.282 73.751 1.000 24.57 ATOM 4239 SG CYS B 245 48.229 24.655 74.539 1.000 28.98 ATOM 4240 C CYS B 245 48.229 24.655 74.539 1.000 28.34 ATOM 4240 C CYS B 245 48.948 25.667 74.457 1.000 29.70 ATOM 4240 N SER B 246 49.848 25.667 74.457 1.000 29.70 ATOM 4243 CA SER B 246 49.846 23.537 75.921 1.000 25.71 ATOM 4240 CB SER B 246 49.846 23.537 75.921 1.000 25.71 ATOM 4246 C SER B 246 49.839 22.627 77.146 1.000 23.17 ATOM 4246 C SER B 246 51.066 22.797 77.853 1.000 25.65 ATOM 4247 O SER B 246 50.934 23.087 74.951 1.000 25.25 ATOM 4248 N ALA B 247 50.731 21.962 74.259 1.000 18.83 ATOM 4248 N ALA B 247 50.731 21.962 74.259 1.000 18.83 ATOM 4248 N ALA B 247 50.731 21.962 74.259 1.000 18.83 ATOM 4248 N ALA B 247 50.731 21.962 74.259 1.000 18.83 ATOM 4250 CB ALA B 247 51.363 21.733 71.851 1.000 26.35 ATOM 4251 C ALA B 247 52.036 20.041 73.514 1.000 17.96 ATOM 4253 N GLY B 248 49.672 20.248 70.206 1.000 30.44 ATOM 4255 C GLY B 248 49.672 20.248 70.206 1.000 20.49 ATOM 4255 C GLY B 248 49.672 20.248 70.206 1.000 20.49 ATOM 4257 N VAL B 249 48.635 19.983 70.414 1.000 28.50 ATOM 4258 CA VAL B 249 48.393 18.586 70.073 1.000 36.74 ATOM 4259 CB VAL B 249 48.393 18.586 70.073 1.000 36.74 ATOM 4259 CB VAL B 249 48.393 18.586 70.073 1.000 36.74 ATOM 4259 CB VAL B 249 48.393 18.586 70.073 1.000 36.74 ATOM 4260 CG1 VAL B 249 48.858 18.238 72.545 1.000 30.44 ATOM 4262 C VAL B 249 48.858 18.238 72.545 1.000 30.44 ATOM 4262 C VAL B 249 48.858 18.238 72.545 1.000 30.44 ATOM 4262 C VAL B 249 48.858 18.238 72.545 1.000 30.44 ATOM 4262 C VAL B 249 48.858 18.238 72.545 1.000 30.44 ATOM 4262 C VAL B 249 48.858 18.238 72.545 1.000 30.44 ATOM 4262 C VAL B 249 48.858 18.238 72.545 1.000 30.44 ATOM 4262 C VAL B 249 48.858 18.238 72.545 1.000											
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ATOM 4259 CB VAL B 249 49.048 17.670 71.137 1.000 36.74 ATOM 4260 CG1 VAL B 249 50.523 17.496 70.828 1.000 29.63 ATOM 4261 CG2 VAL B 249 48.858 18.238 72.545 1.000 30.44 ATOM 4262 C VAL B 249 46.931 18.172 69.964 1.000 33.93											
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ATOM 4261 CG2 VAL B 249 48.858 18.238 72.545 1.000 30.44 ATOM 4262 C VAL B 249 46.931 18.172 69.964 1.000 33.93	ATOM										
ATOM 4262 C VAL B 249 46.931 18.172 69.964 1.000 33.93	ATOM										
	ATOM	4261	CG2	VAL	В	249					
ATOM 4263 O VAL B 249 46.301 18.395 68.930 1.000 40.05	ATOM	4262	С								
	ATOM	4263	0	VAL	В	249	46.301	18.395	68.930	1.000	40.05

ATOM	4264	N	GLY	В	250	46.392	17.537	71.003	1.000	28.29
ATOM	4265	CA	GLY	В	250	45.069	16.957	71.039	1.000	22.14
MOTA	4266	С	GLY	В	250	43.943	17.966	70.997	1.000	24.67
ATOM	4267	0	GLY	В	250	43.137	17.979	70.063	1.000	30.05
MOTA	4268	N	ARG	В	251	43.872	18.828	72.003	1.000	16.63
ATOM	4269	CA	ARG		251	42.869	19.882	72.038	1.000	19.31
MOTA	4270	CB	ARG		251	43.124	20.810	73.240		16.91
ATOM	4271	CG	ARG		251	43.429	20.052	74.521		
ATOM	4272	CD	ARG		251	43.443	21.003		1.000	
ATOM	4273	NE	ARG		251	43.437	20.283	76.974	1.000	
	4273	CZ	ARG		251	43.500	20.852	78.167	1.000	
ATOM			ARG		251	43.577	22.171	78.279		
MOTA	4275					43.485	20.081	79.246		
ATOM	4276		ARG		251				1.000	
MOTA	4277	С	ARG		251	42.857	20.719	70.764		
MOTA	4278	0	ARG		251	41.814	20.925			
ATOM	4279	N	THR		252	44.023	21.228	70.372		
MOTA	4280	CA	THR		252	44.120	22.091		1.000	
ATOM	4281	CB	THR			45.571	22.546	68.965	1.000	
MOTA	4282	OG1				45.903	23.531	69.956		
ATOM	4283	CG2	THR		252	45.734	23.196	67.600		15.93
ATOM	4284	С	THR	В	252	43.631	21.357		1.000	20.90
ATOM	4285	0	THR	В	252	42.825	21.833	67.170		
ATOM	4286	N	GLY	В	253	44.161	20.145	67.819		
ATOM	4287	CA	GLY	В	253	43.796	19.353	66.642		
ATOM	4288	С	GLY	В	253	42.313	19.031	66.705	1.000	28.00
MOTA	4289	0	GLY	В	253	41.682	18.906	65.663	1.000	25.61
ATOM	4290	N	THR	В	254	41.803	18.914	67.932	1.000	30.82
ATOM	4291	CA	THR	В	254	40.382	18.631	68.136	1.000	28.89
ATOM	4292	СВ	THR	В	254	40.052	18.236	69.589	1.000	30.33
ATOM	4293	OG1	THR		254	40.646	16.971	69.891	1.000	17.84
ATOM	4294	CG2	THR		254	38.553	18.043	69.764	1.000	23.85
ATOM	4295	С	THR			39.560	19.849	67.750	1.000	24.95
ATOM	4296	0	THR			38.534	19.750	67.093		
ATOM	4297	N	PHE			40.023	21.033	68.168	1.000	
ATOM	4298	CA	PHE		255	39.330	22.238	67.761		18.66
ATOM	4299	CB	PHE			40.055	23.472	68.309		20.98
ATOM	4300	CG	PHE			39.468	24.795		1.000	
ATOM	4301	CD1			255	38.462	25.342	68.685	1.000	
ATOM	4302	CE1				37.893	26.550	68.349		
MOTA	4303	CZ	PHE			38.291	27.240	67.224		
			PHE			39.287	26.713	66.419		
ATOM	4304						25.519	66.779		
ATOM	4305		PHE			39.877		66.239		
ATOM	4306	С	PHE			39.255	22.352	65.647		
ATOM	4307	0	PHE			38.229	22.668			
MOTA	4308	N	ILE			40.401	22.192	65.592		
ATOM	4309	CA	ILE			40.468	22.444	64.155		
MOTA	4310	CB	ILE			41.923	22.480	63.668		
ATOM	4311		ILE			42.735	23.658	64.220		
ATOM	4312		ILE			44.198	23.613	63.833		
ATOM	4313		ILE			41.988	22.469	62.146		
MOTA	4314	С	ILE			39.642	21.413	63.395		
MOTA	4315	0	ILE	В	256	38.931	21.770	62.448	1.000	28.91

ATOM	4316	N	ALA I	3 25	57	39.699	20.142	63.782	1.000	18.05
ATOM	4317	CA	ALA I	3 25	57	38.802	19.169	63.158	1.000	19.47
ATOM	4318	СВ	ALA I			38.987	17.798	63.775	1.000	21.30
	4319	C	ALA I			37.346	19.600	63.303	1.000	
ATOM							19.578	62.335	1.000	
MOTA	4320	0	ALA I			36.588				
MOTA	4321	N	LEU 1			36.913	19.998	64.506		
MOTA	4322	CA	LEU I			35.511	20.383	64.656		
MOTA	4323	CB	LEU I	3 25	58	35.187	20.725	66.109		
ATOM	4324	CG	LEU I	3 25	58	33.718	21.043	66.402	1.000	26.93
ATOM	4325	CD1	LEU I	3 25	58	32.830	19.879	65.989	1.000	33.89
ATOM	4326		LEU I			33.523	21.383	67.874	1.000	26.13
	4327	C	LEU !			35.162	21.561	63.747		
ATOM			LEU I			34.104	21.555	63.113		
ATOM	4328	0								
MOTA	4329	N	ASP I			36.047	22.546	63.699		
MOTA	4330	CA	ASP 1			35.925	23.714	62.834	1.000	
MOTA	4331	CB		3 25		37.184	24.585	62.907		
MOTA	4332	CG	ASP I	3 25	59	37.015	25.907	62.185	1.000	
ATOM	4333	OD1	ASP I	3 25	59	35.871	26.400	62.144	1.000	33.45
MOTA	4334	OD2	ASP !	3 25	59	38.013	26.448	61.664	1.000	25.69
ATOM	4335	C	ASP I			35.678	23.286	61.392	1.000	22.95
ATOM	4336	Ö	ASP I			34.813	23.822	60.702		
	4337		ARG I			36.446	22.302	60.950	1.000	
ATOM		N						59.585	1.000	
ATOM	4338	CA	ARG I			36.361	21.798	59.319		
ATOM	4339	CB	ARG I			37.519	20.835			
ATOM	4340	CG	ARG 1			38.785	21.473	58.778		
MOTA	4341	CD	ARG I			39.239	20.700	57.536		
ATOM	4342	NE	ARG I	3 20	60	40.673	20.498	57.556		
ATOM	4343	CZ	ARG I	3 2	60	41.391	19.709	56.782	1.000	33.80
ATOM	4344	NH1	ARG 1	3 2 (60	40.798	18.979	55.856	1.000	42.79
ATOM	4345	NH2	ARG I			42.705	19.660	56.957	1.000	37.06
ATOM	4346	С	ARG			35.055	21.066		1.000	38.95
ATOM	4347	Ö	ARG I		60	34.398	21.344	58.296		
			ILE !			34.673	20.123	60.157		
ATOM	4348	N						59.888	1.000	
MOTA	4349	CA	ILE 1			33.506	19.282			
MOTA	4350	CB	ILE 1			33.512	18.013	60.759		
ATOM	4351	CG1	ILE 1			33.172	18.232	62.236		
ATOM	4352	CD1	ILE			33.788	17.170	63.128	1.000	
MOTA	4353	CG2	ILE 1	3 2	61	34.851	17.297	60.648		
ATOM	4354	С	ILE 1	3 2	61	32.193	20.033	60.076	1.000	37.68
MOTA	4355	0	ILE 1	3 26	61	31.233	19.779	59.332	1.000	29.23
ATOM	4356	N	LEU			32.121	20.960	61.032		
ATOM	4357	CA	LEU I			30.910	21.778	61.134		
			LEU			30.909	22.676	62.372		
ATOM	4358	CB						63.722		
ATOM	4359	CG	LEU I			30.865	21.951			
MOTA	4360		LEU I			30.907	22.931	64.886		
MOTA	4361		LEU 1			29.628	21.067	63.813		
MOTA	4362	С	LEU 1			30.763	22.639	59.882		
MOTA	4363	0	LEU I	3 20	62	29.667	23.081	59.538		
MOTA	4364	N	GLN I			31.888	22.887	59.204	1.000	44.18
ATOM	4365	CA	GLN I			31.808	23.682	57.982	1.000	46.28
ATOM	4366	СВ	GLN I			33.169	24.218	57.542		
MOTA	4367	CG	GLN :			33.463	25.604	58.110		
AION	4701	CG	י אוננט			55. 105	20.001	33.110		

ATOM	4368	CD			263	34.905	25.991		1.000	38.82
ATOM	4369	OE1			263	35.200	26.564	56.803		42.28
MOTA	4370	NE2	GLN		263	35.789	25.670	58.782		38.53
ATOM	4371	С	GLN		263	31.207	22.830	56.870		
MOTA	4372	0	GLN	В	263	30.412	23.325	56.083		46.04
ATOM	4373	N	GLN	В	264	31.609	21.563	56.843	1.000	40.32
MOTA	4374	CA	GLN	В	264	31.058	20.637	55.859	1.000	43.58
ATOM	4375	CB	GLN	В	264	31.776	19.291	55.904	1.000	41.24
ATOM	4376	CG	GLN	В	264	33.299	19.353	55.893	1.000	32.42
ATOM	4377	CD	GLN	В	264	33.885	17.975	56.138	1.000	34.83
ATOM	4378	OE1	GLN	В	264	33.154	16.982	56.114	1.000	49.05
ATOM	4379	NE2	GLN	В	264	35.181	17.880	56.386	1.000	36.65
ATOM	4380	С	GLN	В	264	29.557	20.453	56.088	1.000	46.84
ATOM	4381	0	GLN		264	28.787	20.463	55.125	1.000	60.95
ATOM	4382	N	LEU		265	29.143	20.293	57.339	1.000	44.06
ATOM	4383	CA	LEU		265	27.744	20.092	57.689		
ATOM	4384	СВ	LEU		265	27.541	20.198	59.204		
ATOM	4385	CG	LEU		265	28.027	19.015	60.044		
ATOM	4386	CD1	LEU		265	27.374	19.048			39.17
ATOM	4387	CD2	LEU		265	27.761	17.702	59.326		46.39
ATOM	4388	С	LEU		265	26.816	21.098	57.009		55.29
ATOM	4389	Ō	LEU		265	25.738	20.747	56.529		61.57
ATOM	4390	N	ASP			27.242	22.353	56.989		56.37
ATOM	4391	CA	ASP		266	26.489	23.438	56.374		56.13
ATOM	4392	СВ	ASP		266	26.708	24.734	57.154		62.09
ATOM	4393	CG	ASP		266	26.306	24.619	58.612		68.79
ATOM	4394	OD1	ASP		266	25.108	24.405	58.894		79.54
ATOM	4395	OD2	ASP		266	27.190	24.742	59.489	1.000	81.01
ATOM	4396	С	ASP		266	26.905	23.610	54.917	1.000	50.88
MOTA	4397	0	ASP	В	266	26.597	24.607	54.265	1.000	58.84
ATOM	4398	N	SER	В	267	27.632	22.622	54.407	1.000	53.13
MOTA	4399	CA	SER	В	267	28.177	22.699	53.056	1.000	64.34
MOTA	4400	CB	SER	В	267	29.708	22.798	53.101	1.000	56.46
MOTA	4401	OG	SER	В	267	30.143	24.108	52.784	1.000	60.08
ATOM	4402	С	SER	В	267	27.759	21.499	52.214	1.000	75.07
ATOM	4403	0	SER	В	267	26.653	21.444	51.677	1.000	79.48
ATOM	4404	N	LYS	В	268	28.656	20.523	52.092	1.000	83.42
MOTA	4405	CA	LYS	В	268	28.385	19.358	51.257	1.000	86.00
ATOM	4406	CB	LYS	В	268	29.664	18.545	51.050	1.000	90.22
ATOM	4407	CG	LYS	В	268	30.899	19.402	50.804	1.000	90.85
ATOM	4408	CD	LYS	В	268	31.608	19.724	52.110	1.000	87.44
ATOM	4409	CE	LYS	В	268	32.908	20.484		1.000	
ATOM	4410	NZ	LYS	В	268	33.982	19.590	51.340	1.000	90.86
ATOM	4411	С	LYS	В	268	27.279	18.493	51.854	1.000	79.53
ATOM	4412	0	LYS	В	268	26.697	18.840		1.000	
ATOM	4413	N	ASP	В	269	27.000	17.380		1.000	
ATOM	4414	CA	ASP	В	269	25.948	16.453		1.000	
ATOM	4415	CB	ASP	В	269	25.390	15.742	50.342	1.000	83.40
ATOM	4416	CG	ASP	В	269	25.381	16.633		1.000	
MOTA	4417		ASP			24.301	16.816		1.000	
ATOM	4418	OD2	ASP			26.460	17.153		1.0001	
ATOM	4419	С	ASP	В	269	26.475	15.440	52.584	1.000	69.56

ATOM	4420	0	ASP	В	269	25.755	14.571	53.071		66.15
MOTA	4421	N	SER	В	270	27.763	15.573	52.883	1.000	63.01
ATOM	4422	CA	SER	В	270	28.449	14.658	53.782	1.000	53.77
ATOM	4423	СВ	SER	В	270	29.261	13.633	52.991	1.000	
ATOM	4424	OG			270	30.230	12.983	53.797		73.26
	4425	C			270	29.357	15.436	54.734		
ATOM										
MOTA	4426	0			270	29.393	16.664	54.654	1.000	42.15
MOTA	4427	N			271	30.035	14.690	55.588	1.000	
ATOM	4428	CA	VAL	В	271	31.029	15.141	56.544	1.000	48.00
MOTA	4429	CB	VAL	В	271	30.446	15.379	57.946	1.000	49.59
ATOM	4430	CG1	VAL	В	271	29.390	14.335	58.283	1.000	49.18
ATOM	4431	CG2	VAL	В	271	31.569	15.369	58.980	1.000	36.94
ATOM	4432	С	VAL	В	271	32.145	14.100	56.637	1.000	42.78
ATOM	4433	0			271	31.864	12.911	56.794	1.000	49.77
ATOM	4434	N			272	33.390	14.532	56.524		
ATOM	4435	CA			272	34.530	13.630	56.527		35.40
ATOM	4436	CB			272	35.438	13.862	55.314		27.29
ATOM	4437	CG	ASP	В		36.212	12.617	54.924		35.62
ATOM	4438	OD1	ASP		272	36.101	11.583	55.615		37.07
MOTA	4439		ASP	В		36.947	12.666	53.915		50.42
ATOM	4440	С	ASP		272	35.359	13.795	57.792	1.000	40.21
MOTA	4441	0	ASP	В	272	36.364	14.503	57.797	1.000	41.63
MOTA	4442	N	ILE	В	273	34.929	13.131	58.862	1.000	40.79
ATOM	4443	CA	ILE	В	273	35.679	13.285	60.108	1.000	34.29
ATOM	4444	CB	ILE	В	273	34.909	12.721	61.310	1.000	30.34
ATOM	4445	CG1	ILE	В	273	33.565	13.409	61.576	1.000	31.83
ATOM	4446	CD1	ILE		273	32.766	12.740	62.679	1.000	27.01
ATOM	4447	CG2	ILE			35.768	12.761	62.563	1.000	28.54
ATOM	4448	C	ILE			37.053	12.639	59.968	1.000	39.35
ATOM	4449	0		В		38.060	13.284	60.295	1.000	37.96
ATOM	4450	N	TYR		274	37.080	11.404	59.482		40.06
ATOM	4451	CA	TYR			38.320	10.692	59.209	1.000	36.37
ATOM	4452	CB	TYR		274	38.083	9.343	58.534	1.000	34.20
ATOM	4453	CG	TYR		274	39.288	8.485	58.221	1.000	26.44
									1.000	
ATOM	4454	CD1	TYR		274	39.691	7.499	59.115		
ATOM	4455	CE1	TYR		274	40.787	6.698	58.847		34.20
ATOM	4456	CZ	TYR		274	41.501	6.863	57.683		32.34
ATOM	4457	ОН	TYR		274	42.595	6.077	57.401	1.000	45.24
MOTA	4458	CE2	TYR			41.126	7.829	56.774		32.36
ATOM	4459	CD2	TYR			40.033	8.609	57.056		
MOTA	4460	С	TYR			39.228	11.528	58.299	1.000	32.63
MOTA	4461	0	TYR	В	274	40.436	11.567	58.534	1.000	31.00
MOTA	4462	N	GLY	В	275	38.634	12.102	57.266	1.000	39.31
ATOM	4463	CA	GLY	В	275	39.375	12.824	56.239	1.000	35.88
ATOM	4464	С	GLY	В	275	40.102	14.006	56.865	1.000	40.67
ATOM	4465	0	GLY			41.263	14.270	56.555		
ATOM	4466	N	ALA			39.376	14.679	57.751		
ATOM	4467	CA	ALA			39.906	15.849	58.442		
ATOM	4468	CB	ALA			38.791	16.511	59.244		
ATOM	4469	C	ALA			41.097	15.502	59.323		
			ALA			42.147	16.150	59.234		
ATOM	4470	O N								
ATOM	4471	N	VAL	R	211	40.972	14.480	60.169	T.000	∠8.39

ATOM	4472	CA	VAL	В	277	42.049	14.164	61.101	1.000	26.25
ATOM	4473	CB	VAL	В	277	41.639	13.101	62.138	1.000	27.10
ATOM	4474	CG1	VAL	В	277	42.882	12.558	62.827	1.000	24.03
ATOM	4475	CG2	VAL	В	277	40.671	13.681	63.159	1.000	28.27
ATOM	4476	С	VAL			43.306	13.654	60.402	1.000	31.14
ATOM	4477	0	VAL		277	44.411	13.880	60.897	1.000	29.79
ATOM	4478	N	HIS	В		43.121	12.975	59.277	1.000	27.18
ATOM	4479	CA	HIS	В	278	44.202	12.495	58.431	1.000	25.97
			HIS	В	278	43.601	11.645	57.309	1.000	33.39
ATOM	4480	CB						56.378	1.000	34.11
ATOM	4481	CG	HIS	В	278	44.609	11.055			
ATOM	4482	ND1		В		45.201	11.773	55.367	1.000	25.09
ATOM	4483			В		46.048	11.002	54.708	1.000	28.44
ATOM	4484	NE2	HIS	В	278	46.026	9.801	55.267	1.000	31.16
ATOM	4485	CD2	HIS		278	45.138	9.806	56.307	1.000	31.49
ATOM	4486	С	HIS	В	278	45.001	13.660	57.859		24.46
ATOM	4487	0	HIS	В	278	46.225	13.753	57.928	1.000	25.14
MOTA	4488	N	ASP	В	279	44.283	14.603	57.260	1.000	23.15
ATOM	4489	CA	ASP	В	279	44.887	15.817	56.715	1.000	24.67
ATOM	4490	CB	ASP	В	279	43.776	16.718	56.178	1.000	29.92
ATOM	4491	CG	ASP	В	279	44.160	17.578	55.001	1.000	37.07
ATOM	4492	OD1	ASP	В	279	45.077	17.212	54.235	1.000	38.06
ATOM	4493	OD2	ASP	В	279	43.537	18.648	54.835	1.000	30.88
ATOM	4494	С	ASP		279	45.706	16.530	57.784	1.000	25.54
ATOM	4495	0	ASP	_		46.843	16.941	57.550	1.000	
ATOM	4496	N	LEU		280	45.150	16.673	58.991	1.000	18.66
ATOM	4497	CA	LEU	В	280	45.867	17.373	60.061	1.000	27.59
ATOM	4498	CB	LEU	В	280	45.025	17.491	61.331	1.000	
ATOM	4499	CG		В	280	43.732	18.302	61.281	1.000	29.33
ATOM	4500	CD1		В	280	43.374	18.821	62.668	1.000	34.75
ATOM	4501			В	280	43.836	19.450	60.293	1.000	30.06
		CDZ						60.432	1.000	33.16
ATOM	4502		LEU		280	47.181	16.678			
ATOM	4503	0			280	48.218	17.326	60.576	1.000	
ATOM	4504	N	ARG		281	47.077	15.363	60.589	1.000	
ATOM	4505	CA	ARG		281	48.168	14.491	60.979	1.000	31.07
ATOM	4506	СВ	ARG		281	47.675	13.042	61.092	1.000	
MOTA	4507	CG		В	281	46.655	12.833	62.199	1.000	
MOTA	4508	CD		В	281	47.328	12.460	63.506	1.000	
ATOM	4509	NE		В	281	46.350	12.116	64.535	1.000	30.18
ATOM	4510	CZ	ARG		281	46.041	10.880	64.893	1.000	27.85
MOTA	4511		ARG			46.628	9.852	64.310		
ATOM	4512	NH2	ARG			45.138	10.667	65.838		
ATOM	4513	С	ARG	В	281	49.318	14.561	59.985		
ATOM	4514	0	ARG	В	281	50.478	14.363	60.347	1.000	28.56
ATOM	4515	N	LEU	В	282	48.986	14.842	58.727	1.000	30.67
ATOM	4516	CA	LEU	В	282	50.041	15.001	57.727	1.000	30.29
ATOM	4517	CB	LEU	В	282	49.455	15.139	56.327	1.000	24.52
ATOM	4518	CG	LEU			48.830	13.899	55.689		
ATOM	4519		LEU			48.201	14.290	54.357		
ATOM	4520		LEU			49.859	12.792	55.511		
ATOM	4521		LEU			50.913	16.222	58.014		
ATOM	4522		LEU			52.030	16.277	57.506		
ATOM	4523		HIS			50.418	17.178	58.794		
111 011	4060	TA	1113	נ	200	20.410	1,.170	50.754	1.000	20.00

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ATOM	4524	CA	HIS		283	51.104	18.459	58.962		
MOTA	4525	CB	HIS		283	50.157	19.615	58.551	1.000	
MOTA	4526	CG	HIS		283	49.852	19.437	57.083		31.38
ATOM	4527	ND1	HIS		283	50.669	19.906	56.078	1.000	
ATOM	4528	CE1	HIS		283	50.164	19.584	54.901		26.22
ATOM	4529		HIS		283	49.048	18.905	55.114		26.82
ATOM	4530	CD2	HIS	В	283	48.838	18.792	56.461	1.000	
ATOM	4531	С	HIS	В	283	51.658	18.636	60.359	1.000	
ATOM	4532	0	HIS	В	283	52.552	19.465	60.565	1.000	24.96
ATOM	4533	N	ARG	В	284	51.186	17.858	61.335	1.000	20.29
ATOM	4534	CA	ARG	В	284	51.798	17.980	62.664	1.000	21.12
ATOM	4535	СВ	ARG	В	284	51.322	19.245	63.391	1.000	20.38
ATOM	4536	CG	ARG	В	284	52.150	19.588	64.639	1.000	22.36
ATOM	4537	CD	ARG	В	284	51.699	20.875	65.292	1.000	21.53
ATOM	4538	NE	ARG		284	52.054	21.061	66.698	1.000	19.46
ATOM	4539	CZ	ARG		284	53.142	21.705	67.107	1.000	25.24
ATOM	4540	NH1	ARG		284	54.004	22.225	66.238	1.000	24.69
ATOM	4541		ARG		284	53.412	21.850	68.402		
ATOM	4542	С	ARG		284	51.493	16.731			16.74
ATOM	4543	Ö	ARG		284	50.383	16.207	63.410		20.61
ATOM	4544	N	VAL		285	52.454	16.252	64.253	1.000	
ATOM	4545	CA	VAL		285	52.238	15.089	65.112		
ATOM	4546	CB	VAL		285	53.540	14.760	65.869		
ATOM	4547	CG1	VAL		285	53.834	15.855	66.888	1.000	
ATOM	4548	CG2	VAL		285	53.448	13.399	66.536		
ATOM	4549	C	VAL		285	51.105	15.309	66.112		
	4550	0	VAL		285	50.869	16.442	66.513		21.60
MOTA		N	HIS		286	50.396	14.271			32.06
ATOM	4551				286	49.336	14.195	67.498	1.000	
ATOM	4552	CA	HIS				14.551	68.892	1.000	
ATOM	4553	CB	HIS		286	49.885		69.305	1.000	
ATOM	4554	CG	HIS		286	51.021 51.067	13.664	69.031	1.000	
ATOM	4555	ND1	HIS		286		12.319	69.506	1.000	
ATOM	4556	CE1	HIS		286	52.186	11.799	70.082	1.000	
ATOM	4557	NE2	HIS		286	52.871	12.769	69.969		33.55
ATOM	4558	CD2	HIS		286	52.169	13.944	67.218		30.46
ATOM	4559	С	HIS		286	48.127	15.077		1.000	
ATOM	4560	0	HIS		286	47.387	15.403	68.154		
ATOM	4561	N	MET		287	47.881	15.467	65.973	1.000	
ATOM	4562	CA	MET			46.691	16.259	65.664		
ATOM	4563	CB	MET			46.756	16.854	64.270		
ATOM	4564	CG	MET			47.775	17.949	64.042		
ATOM	4565	SD	MET			47.516	19.438	65.055		
ATOM	4566	CE	MET			48.661	19.026	66.372		
ATOM	4567	С	MET			45.457	15.368	65.848		
MOTA	4568	0	MET			45.182	14.511	65.013		
ATOM	4569	N	VAL			44.774	15.611	66.952		
ATOM	4570	CA	VAL			43.740	14.820	67.589		
MOTA	4571	СВ	VAL			42.560	14.478	66.675		
MOTA	4572		VAL			41.636	13.502	67.385		
MOTA	4573		VAL			41.797	15.726	66.275		
ATOM	4574	С	VAL			44.390	13.535	68.093		
MOTA	4575	0	VAL	В	288	44.556	12.583	67.334	1.000	40.72

ATOM	4576	N	GLN H	3	289	44.783	13.526	69.362	1.000	42.21
ATOM	4577	CA	GLN I	3	289	45.728	12.504	69.827	1.000	40.64
ATOM	4578	CB	GLN I	3	289	46.907	13.254	70.450	1.000	38.74
ATOM	4579	CG	GLN I	3	289	47.311	12.901	71.865	1.000	38.30
MOTA	4580	CD	GLN I			48.223	13.989	72.413	1.000	37.90
ATOM	4581	OE1			289	47.738	15.038	72.837		34.96
ATOM	4582	NE2	GLN I			49.525	13.736	72.392		42.59
	4583	C	GLN I			45.156	11.454		1.000	
ATOM		0	GLN I			45.899	10.560	71.181		34.51
ATOM	4584					43.869	11.469		1.000	
ATOM	4585	N	THR I					71.819		34.56
ATOM	4586	CA	THR I			43.294	10.342			
ATOM	4587	CB	THR I			42.922	10.643	73.277		36.69
ATOM	4588	OG1	THR I			41.958	11.699	73.369		39.54
ATOM	4589	CG2	THR I			44.140	11.134	74.049	1.000	
ATOM	4590	С	THR I			42.053	9.858	71.067	1.000	
ATOM	4591	0	THR I	3	290	41.423	10.630	70.344		37.85
ATOM	4592	N	GLU I	3	291	41.708	8.583	71.228	1.000	40.04
ATOM	4593	CA	GLU I	3	291	40.514	8.060	70.569	1.000	31.40
MOTA	4594	CB	GLU I	3	291	40.426	6.549	70.769	1.000	33.20
ATOM	4595	CG	GLU I	3	291	38.992	6.033	70.734	1.000	54.35
ATOM	4596	CD	GLU I	3	291	38.936	4.515	70.792	1.000	61.38
ATOM	4597	OE1				37.831	3.978	71.011	1.000	56.63
ATOM	4598	OE2	GLU I		291	40.009	3.898	70.610	1.000	65.55
ATOM	4599	C	GLU I			39.274	8.756		1.000	
ATOM	4600	Ö	GLU I			38.289	9.026		1.000	
MOTA	4601	N	CYS I			39.330	9.074			30.92
	4602	CA	CYS I			38.290	9.823	73.085	1.000	
ATOM	4602	CB	CYS I			38.815	10.131	74.493		
ATOM						37.722	11.163	75.490	1.000	
ATOM	4604	SG	CYS I					72.351		31.79
ATOM	4605	C	CYS I		292	37.903	11.103		1.000	
MOTA	4606	0	CYS I			36.723	11.332			
MOTA	4607	N	GLN I			38.892	11.940	72.039		33.19
MOTA	4608	CA	GLN I			38.724	13.169	71.267		
ATOM	4609	CB	GLN I			40.056	13.880	71.039	1.000	
MOTA	4610	CG	GLN I			40.532	14.744	72.194		
ATOM	4611	CD	GLN I			42.023	15.015			33.21
ATOM	4612	OE1				42.730	14.694			26.74
MOTA	4613	NE2	GLN I		293	42.533	15.611	73.245	1.000	
MOTA	4614	С	GLN I	3	293	38.076	12.811	69.931		
MOTA	4615	0	GLN I	3	293	37.089	13.407	69.513		
ATOM	4616	N	TYR I	3	294	38.647	11.795	69.281		
MOTA	4617	CA	TYR I	3	294	38.065	11.284	68.041	1.000	29.87
ATOM	4618	CB	TYR I	3	294	38.826	10.059	67.528	1.000	35.21
ATOM	4619	CG	TYR I			38.549	9.719	66.079	1.000	39.63
MOTA	4620		TYR I			38.696	10.672	65.081	1.000	28.61
ATOM	4621	CE1				38.451	10.386	63.754		
ATOM	4622	CZ	TYR I			38.047	9.119	63.401		
ATOM	4623	OH	TYR I			37.803	8.837	62.078		
ATOM	4624		TYR I			37.891	8.151	64.368		
	4625		TYR I			38.141	8.446	65.695		
ATOM			TYR I			36.603	10.923	68.261		
ATOM	4626	С						67.434		
MOTA	4627	0	TYR I	3	294	35.741	11.211	01.434	1.000	50.24

MOTA	4628	N	VAL E	295	36.302	2 10.285	69.396	1.000	34.52
ATOM	4629	CA	VAL E	295	34.910	9.921	69.662	1.000	31.51
ATOM	4630	CB	VAL E	295	34.752	9.065	70.932	1.000	35.21
MOTA	4631	CG1	VAL E	295	33.272	8.911	71.238	1.000	40.28
MOTA	4632	CG2	VAL E	295	35.432	7.720	70.755	1.000	35.85
ATOM	4633	С	VAL E		34.043	3 11.161	69.834	1.000	27.72
ATOM	4634	0	VAL E		32.91		69.360	1.000	36.42
ATOM	4635	N	TYR E		34.613		70.527		37.43
ATOM	4636	CA	TYR E		33.94		70.761	1.000	
ATOM	4637	СВ	TYR E		34.866		71.578	1.000	43.28
ATOM	4638	CG	TYR E		34.259		72.102		42.68
ATOM	4639	CD1	TYR E		33.533		73.285		41.40
	4640	CE1	TYR E		32.979		73.765	1.000	39.34
ATOM					33.146		73.763	1.000	34.82
ATOM	4641	CZ	TYR E				73.530		27.53
ATOM	4642	OH	TYR E		32.59				
MOTA	4643	CE2	TYR E		33.865		71.884		41.20
MOTA	4644	CD2	TYR E		34.415		71.415		43.82
ATOM	4645	С	TYR E		33.52		69.458		28.58
MOTA	4646	0	TYR E		32.421		69.341		31.47
MOTA	4647	N	LEU E		34.403		68.453		
MOTA	4648	CA	LEU E		34.076		67.196		30.67
MOTA	4649	CB	LEU E	297	35.195		66.180	1.000	30.58
MOTA	4650	CG	LEU E	297	36.483		66.375		
MOTA	4651	CD1	LEU E	297	37.539	14.919	65.367	1.000	29.68
MOTA	4652	CD2	LEU E	297	36.220	16.866	66.250	1.000	27.24
MOTA	4653	С	LEU E	297	32.782	2 14.187	66.605	1.000	33.83
MOTA	4654	0	LEU E	297	31.893	14.932	66.215	1.000	31.16
ATOM	4655	N	HIS E	298	32.73	7 12.860	66.570	1.000	41.22
MOTA	4656	CA	HIS E	298	31.562	2 12.114	66.138	1.000	38.95
ATOM	4657	СВ		298	31.818		66.255	1.000	34.71
MOTA	4658	CG		298	32.822		65.285	1.000	34.66
MOTA	4659	ND1		298	34.17		65.531	1.000	40.08
ATOM	4660	CE1		298	34.825		64.511	1.000	38.60
ATOM	4661	NE2	HIS E		33.935		63.602		
ATOM	4662	CD2	HIS E		32.679		64.071		35.52
ATOM	4663	C	HIS E		30.340		66.951		36.47
ATOM	4664	0	HIS E		29.314		66.389		36.46
ATOM	4665	N	GLN E		30.420		68.280	1.000	33.50
ATOM	4666	CA	GLN E		29.250		69.073	1.000	36.05
	4667	CB	GLN E		29.525		70.563		
MOTA	4668	CG	GLN E		30.053		70.887		
ATOM		CD	GLN E		30.367		72.362		
ATOM	4669				30.932		72.362		
ATOM	4670	OE1					72.931		
ATOM	4671	NE2			29.999				
ATOM	4672	C	GLN E		28.841		68.782		
MOTA	4673	0	GLN E		27.660		68.781		
ATOM	4674	N	CYS E		29.837		68.520		
MOTA	4675	CA	CYS E		29.496		68.201		
MOTA	4676	CB	CYS E		30.752		68.017		
MOTA	4677	SG	CYS E		31.545		69.542		
ATOM	4678	С	CYS E		28.665		66.925		
MOTA	4679	0	CYS E	300	27.706	17.327	66.828	1.000	37.19

ATOM	4680	N	VAL	В		29.042	15.767	65.927 1.000 3	30.57
ATOM	4681	CA	VAL	В	301	28.357	15.877	64.636 1.000 3	35.77
ATOM	4682	CB	VAL	В	301	29.131	15.124	63.542 1.000 3	37.54
ATOM	4683	CG1	VAL	В	301	28.252	14.886	62.327 1.000 2	8.37
MOTA	4684	CG2	VAL	В	301	30.380	15.915	63.165 1.000 3	88.14
ATOM	4685	С	VAL	В	301	26.925	15.369	64.735 1.000 3	9.26
ATOM	4686	0	VAL	В	301	25.977	16.025	64.295 1.000 5	2.69
ATOM	4687	N	ARG		302	26.736	14.201		8.31
ATOM	4688	CA	ARG		302	25.403	13.654		5.66
ATOM	4689	СВ	ARG		302	25.506	12.385		2.74
ATOM	4690	CG	ARG		302	24.268	12.102		6.88
ATOM	4691	CD	ARG		302	24.579	11.103		5.04
ATOM	4692	NE	ARG		302	25.118	11.799		8.32
ATOM	4693	CZ	ARG		302	25.697	11.252	70.567 1.000 4	
ATOM	4694								
		NH1			302	25.838	9.937	70.659 1.000 4	
ATOM	4695	NH2			302	26.131	12.057	71.531 1.000 4	
ATOM	4696	C	ARG	В	302	24.480	14.642	66.256 1.000 5	
ATOM	4697	0	ARG	В	302	23.339	14.882	65.856 1.000 4	
ATOM	4698	N	ASP		303	24.975	15.234		6.40
ATOM	4699	CA	ASP		303	24.142	16.171		5.70
ATOM	4700	CB	ASP	В	303	24.898	16.662		7.02
MOTA	4701	CG	ASP		303	25.181	15.521		9.83
MOTA	4702			В	303	24.651	14.412		9.82
ATOM	4703	OD2	ASP	В	303	25.930	15.724	71.281 1.000 6	0.83
ATOM	4704	С	ASP	В	303	23.688	17.342	67.236 1.000 5	0.72
MOTA	4705	0	ASP	В	303	22.538	17.775	67.357 1.000 4	7.41
MOTA	4706	N	VAL	В	304	24.571	17.839	66.374 1.000 4	4.96
ATOM	4707	CA	VAL	В	304	24.268	18.980	65.512 1.000 4	7.93
ATOM	4708	CB	VAL	В	304	25.515	19.435	64.739 1.000 4	6.69
ATOM	4709	CG1	VAL	В	304	25.147	20.348	63.575 1.000 4	3.96
ATOM	4710	CG2	VAL	В	304	26.484	20.141	65.677 1.000 4	4.01
ATOM	4711	С	VAL	В	304	23.137	18.626	64.546 1.000 5	3.73
ATOM	4712	0	VAL	В	304	22.178	19.375		7.08
ATOM	4713	N	LEU		305	23.286	17.442		1.48
ATOM	4714	CA	LEU		305	22.264	16.852		2.53
ATOM	4715	СВ	LEU		305	22.789	15.569		9.00
ATOM	4716	CG	LEU		305	24.083	15.749		7.23
ATOM	4717	CD1		В	305	24.587	14.409		1.92
ATOM	4718		LEU		305	23.868	16.711		6.51
MOTA	4719	С	LEU		305	20.979	16.583	63.901 1.000 5	
ATOM	4720	0	LEU		305	19.939	17.100		5.65
ATOM	4721	N	ARG		306	21.076	15.820		7.84
ATOM	4722	CA	ARG		306	20.003	15.505	65.913 1.000 5	
ATOM	4723	CB	ARG		306	20.540	15.067	67.268 1.000 5	
ATOM	4724	CG	ARG		306	20.660			
ATOM	4725	CD	ARG		306	21.035	13.573 13.272		
									1.19
ATOM	4726	NE CZ	ARG		306	21.719	11.995		8.99
ATOM	4727	CZ	ARG			21.752	11.249		4.79
ATOM	4728		ARG		306	21.132	11.608	71.304 1.000 69	
ATOM	4729		ARG			22.421	10.100	70.183 1.000 80	
ATOM	4730	C	ARG			19.118	16.738	66.111 1.000 62	
ATOM	4731	0	ARG	В	306	17.971	16.763	65.681 1.000 63	3.69

ATOM	4732	N	ALA	В	307	19.734	17.737	66.728 1.000 65.49
ATOM	4733	CA	ALA	В	307	19.143	19.057	66.891 1.000 64.51
ATOM	4734	CB	ALA	В	307	20.143	19.994	67.558 1.000 51.87
MOTA	4735	С	ALA	В	307	18.680	19.605	65.548 1.000 64.66
ATOM	4736	0	ALA	В	307	17.611	20.209	65.423 1.000 65.97
ATOM	4737	N	ARG	В	308	19.468		64.491 1.000 61.42
ATOM	4738	CA	ARG	В	308	19.012		63.193 1.000 70.94
ATOM	4739	СВ	ARG		308	20.088		62.137 1.000 76.27
ATOM	4740	CG	ARG		308	19.741		60.748 1.000 86.23
ATOM	4741	CD	ARG		308	20.397		60.456 1.000 95.24
ATOM	4742	NE	ARG		308	21.821		60.163 1.000101.38
ATOM	4743	CZ	ARG		308	22.786		61.049 1.000107.77
ATOM	4744	NH1			308	22.485		62.288 1.000110.29
ATOM	4745	NH2			308	24.056		60.695 1.000113.92
ATOM	4746	C	ARG		308	17.685	19.293	62.787 1.000 73.80
ATOM	4747	Ö	ARG	В	308	16.827	19.255	62.197 1.000 73.18
ATOM	4748	N	LYS	В	309	17.486		63.102 1.000 73.43
ATOM	4749	CA	LYS	В	309	16.283		
ATOM	4750	CB	LYS	В	309			62.718 1.000 76.77 62.979 1.000 79.31
ATOM	4751	CG			309	16.472 17.591	15.788	
ATOM	4752	CD	LYS		309		15.149	62.164 1.000 80.69 62.104 1.000 82.88
ATOM	4753	CE	LYS	В	309	17.436 18.186	13.637	
ATOM	4754	NZ	LYS	В	309	19.523	13.050	60.925 1.000 82.69
ATOM	4755	C	LYS	В	309	15.033	12.501 17.778	61.319 1.000 75.87
ATOM	4756	0	LYS	В	309			63.442 1.000 74.89
ATOM	4757	И	LEU	В	310	14.006 15.106	18.014 17.915	62.802 1.000 70.03 64.760 1.000 66.81
ATOM	4758	CA	LEU		310	13.100	18.391	
ATOM	4759	CB	LEU		310	14.439	18.679	65.566 1.000 57.56 67.003 1.000 58.43
ATOM	4760	CG	LEU		310	14.439	17.504	
ATOM	4761	CD1			310	15.451	17.728	
ATOM	4762	CD2	LEU		310	13.451	17.728	69.090 1.000 37.85 68.570 1.000 65.92
ATOM	4763	C	LEU		310	13.033	19.657	68.570 1.000 65.92 64.978 1.000 57.95
ATOM	4764	0		В	310	12.371	20.157	65.507 1.000 56.97
ATOM	4765	01	НОН		1	-3.530	-2.470	27.550 1.000 17.96
ATOM	4766	01	НОН		2	60.077	26.796	63.038 1.000 17.38
ATOM	4767	01	НОН		3	55.045	17.613	63.918 1.000 20.66
ATOM	4768	01	НОН		4	10.035	-6.431	48.617 1.000 19.03
ATOM	4769	01	НОН		5	-2.541	7.405	22.573 1.000 24.15
ATOM	4770	01	НОН		6	-2.341	3.010	37.742 1.000 20.37
ATOM	4771	01	НОН		7	1.064	6.887	29.228 1.000 21.37
ATOM	4772	01	НОН		8	12.797		28.170 1.000 21.33
ATOM	4773	01	НОН		9	44.023	30.928	82.230 1.000 23.35
ATOM	4774	01	НОН		10	15.262	-6.127	25.706 1.000 20.03
ATOM	4775	01	НОН		11	41.135	13.077	75.806 1.000 24.83
ATOM	4776	01	НОН		12	44.160	35.266	61.596 1.000 21.20
ATOM	4777	01	НОН		13	-2.293	13.135	27.030 1.000 29.16
ATOM	4778	01	НОН		14	-1.152	-4.851	36.331 1.000 18.92
ATOM	4779	01	НОН		15	12.494	-9.297	20.888 1.000 32.44
ATOM	4780	01	НОН		16	10.561	-4.413	17.800 1.000 27.50
ATOM	4781	01	НОН		17	12.953	-1.978	15.793 1.000 27.50
ATOM	4782	01	НОН		18	54.169	29.526	70.613 1.000 20.32
ATOM	4783	01	НОН		19	13.709	11.416	42.827 1.000 18.88
0.1	-,00	-	11011	••	10	13.703	TT.4TO	45.051 T.000 TO:00

ATOM	4784	01	НОН	W	20	55.7	731	28.213	80.604		
MOTA	4785	01	нон	M	21	4.7	760	11.444	27.886	1.000	
ATOM	4786	01	НОН	W	22	56.9	913	29.110	71.387	1.000	17.72
MOTA	4787	01	НОН	W	23	18.4	140	-8.145	47.574	1.000	28.67
ATOM	4788	01	НОН	W	24	51.6	513	13.126	62.266	1.000	25.40
MOTA	4789	01	НОН		25	56.7		21.500	72.666	1.000	22.09
MOTA	4790	01	НОН		26	46.9		32.045	55.417		36.86
ATOM	4791	01	НОН		27	10.4		-7.264	21.479		24.68
ATOM	4792	01	НОН		28	-4.8		-5.788			23.37
	4793	01	НОН		29	58.6		11.046	62.178		28.32
ATOM			НОН		30	40.9		36.024	75.388		36.78
ATOM	4794	01			31	56.9		30.024	57.221	1.000	
ATOM	4795	01	HOH			45.4		15.934	74.179	1.000	
ATOM	4796	01	НОН		32				43.032	1.000	
MOTA	4797	01	НОН		33	-6.6		-5.778		1.000	
ATOM	4798	01 .	НОН		34	46.3		21.045	76.403		
ATOM	4799	01	НОН		35	60.9		30.231	69.118		21.63
ATOM	4800	01	НОН		36	-3.3		-17.246	31.808	1.000	
ATOM	4801	01	НОН		37	55.5		12.895	71.190		29.48
ATOM	4802	01	НОН		38	1.4		-5.097	35.986	1.000	
ATOM	4803	01	НОН		39	15.3		-9.650	27.646	1.000	
MOTA	4804	01	НОН	M	40	38.7		25.200	57.849	1.000	23.39
ATOM	4805	01	нон	M	41	10.3	348	17.067	32.030	1.000	41.46
ATOM	4806	01	НОН	W	42	1.6	548	-14.559	44.147	1.000	28.83
ATOM	4807	01	НОН	W	43	61.5	596	20.901	62.903		28.38
ATOM	4808	01	НОН	W	44	14.3	L44	-11.298	42.153	1.000	36.30
MOTA	4809	01	нон	W	45	59.6	647	17.031	57.868	1.000	23.78
ATOM	4810	01	НОН	W	46	53.6	595	23.952	54.917	1.000	39.83
ATOM	4811	01	нон	W	47	27.0)56	31.327	66.272	1.000	55.85
ATOM	4812	01	НОН		48	37.0		41.920	74.032	1.000	46.26
ATOM	4813	01	НОН		49	-2.3	397	0.653	20.483	1.000	37.18
ATOM	4814	01	НОН		50	41.4		15.741	75.531	1.000	43.52
ATOM	4815	01	НОН		51	-2.3		-15.863	33.885	1.000	30.41
MOTA	4816	01	НОН		52	-12.5		6.131	27.682	1.000	29.52
ATOM	4817	01	НОН		53	53.2		16.883	55.102	1.000	33.14
ATOM	4818	01	нон		54	14.9		-8.503	24.747	1.000	
ATOM	4819	01	НОН		55	8.4		-4.831	50.889	1.000	
MOTA	4820	01	НОН		56	24.5		-9.942	22.611	1.000	
	4821	01	НОН		57	18.4		-20.771	46.004		39.24
ATOM ATOM	4822	01	НОН		58	51.8		22.607	56.086		
	4823	01	НОН		59			-6.152	18.909		
MOTA	4824	01			60	44.6		38.534	81.740		
MOTA			HOH		61	18.3		-0.373	24.933		
ATOM	4825	01	НОН			39.4		39.382	64.024		
ATOM	4826	01	НОН		62	71.		42.646	67.354		
ATOM	4827	01	НОН		63				52.496		
ATOM	4828	01	НОН		64	41.3		20.207 39.944	69.257		
ATOM	4829	01	НОН		65	58.5					
MOTA	4830	01	НОН		66		902	0.663	20.612		
MOTA	4831	01	НОН		67	49.8		23.739	54.522		
ATOM	4832	01	НОН		68		323	-5.848	22.222		
ATOM	4833	01	НОН		69		339	-2.798	16.062		
ATOM	4834	01	НОН		70	10.6		-6.726	18.494		
MOTA	4835	01	нон	W	71	34.3	368	9.766	58.834	1.000	46.05

ATOM	4836	01	HOH W	72	0.104	-9.966	24.934		
MOTA	4837	01	HOH W	73	-3.205	-3.781	34.722	1.000	24.34
ATOM	4838	01	HOH W	74	40.443	25.217	78.384	1.000	21.19
ATOM	4839	01	HOH W	75	60.161	17.919	77.858	1.000	43.49
MOTA	4840	01	HOH W	76	57.383	25.403	56.423	1.000	28.69
ATOM	4841	01	HOH W	77	-0.918	-4.290	45.708	1.000	23.94
ATOM	4842	01	HOH W	78	39.671	29.793	57.818		28.43
	4843	01	HOH W	79	-0.151	-0.962	21.277		31.95
MOTA				80	7.936	-8.337			31.62
ATOM	4844	01	HOH W	81	41.764	30.809	59.091		32.37
ATOM	4845	01	HOH W				23.062		37.01
MOTA	4846	01	HOH W	82	16.518	-9.547			33.53
ATOM	4847	01	HOH W	83	30.713	30.994	77.311		
ATOM	4848	01	HOH W	84	28.454	-2.369	72.054		47.39
MOTA	4849	01	HOH W	85	-5.917	-8.292	22.002		37.83
ATOM	4850	01	HOH W	86	7.580	-10.565	21.487		31.50
MOTA	4851	01	HOH W	87	13.747	8.631	42.204		29.91
MOTA	4852	01	HOH W	88	34.378	8.211	61.163		
ATOM	4853	01	HOH W	89	55.698	21.340	61.326		34.48
ATOM	4854	01	HOH W	90	-0.448	-6.040	47.787	1.000	38.54
ATOM	4855	01	HOH W	91	-0.537	-4.018	20.186	1.000	52.78
ATOM	4856	01	HOH W	92	58.171	28.185	55.468	1.000	35.33
ATOM	4857	01	HOH W	93	-1.835	-17.836	29.482	1.000	43.68
ATOM	4858	01	HOH W	94	19.387	-17.439	48.725	1.000	53.98
ATOM	4859	01	HOH W	95	60.252	41.304	67.862	1.000	40.39
ATOM	4860	01	HOH W	96	33.297	25.666	61.866		30.40
ATOM	4861	01	HOH W	97	-0.856	-8.441	21.984		40.05
ATOM	4862	01	HOH W	98	1.309	3.127	26.649		32.55
ATOM	4863	01	HOH W	99			42.845		43.76
ATOM	4864	01	HOH W		24.060	-6.419	45.384		40.45
ATOM	4865	01	HOH W		-16.201	0.201	30.012		60.21
MOTA	4866	01	HOH W	102	26.465	-8.482		1.000	
	4867	01	HOH W	103	26.382	-4.680	30.946		
ATOM		01	HOH W	103	14.152	-0.770	45.187		31.90
ATOM	4868				45.353	7.442	65.377		41.13
ATOM	4869	01	HOH W	105		29.765	78.858	1.000	
ATOM	4870	01	HOH W	106	61.574		33.506		51.68
ATOM	4871	01	HOH W	107	7.240	13.732			34.68
ATOM	4872	01	HOH W		63.827	31.328	67.142		
ATOM	4873	01	HOH W		27.765	8.197		1.000	
MOTA	4874	01	нон й		26.746	31.022	63.432		
MOTA	4875	01	HOH W			12.491			
MOTA	4876	01	HOH W		0.254		30.260		
ATOM	4877	01	HOH W		12.595		20.359		
MOTA	4878	01	HOH W		-12.231		27.346		
ATOM	4879	01	HOH W	115	6.080		28.922		
ATOM	4880	01	HOH W	116	42.291		57.940		
MOTA	4881	01	HOH W	117	59.009		70.085		
ATOM	4882	01	HOH W	118	21.222	2.455	47.444		
ATOM	4883	01	HOH W		15.608	-16.455	31.001	1.000	42.95
ATOM	4884	01	HOH W		-0.125		36.476	1.000	30.48
ATOM	4885	01	HOH W		1.726		38.848	1.000	32.74
ATOM	4886	01	HOH W			-0.445	30.933		
ATOM	4887	01	HOH W			-24.378	36.045		
		-	,						

ATOM	4888	01	HOH W	124	1.17	77 -29.065	27.544	1.000	45.02
ATOM	4889	01	HOH W	125	56.97	9 34.259	60.005	1.000	48.14
ATOM	4890	01	HOH W		58.73	33.237	57.099	1.000	45.63
MOTA	4891	01	HOH W		15.04	6 11.322	20.955	1.000	40.69
ATOM	4892	01	HOH W	128	17.46	8 -4.910	24.971	1.000	27.77
ATOM	4893	01	HOH W	129	-7.58	7 -7.450	31.742	1.000	42.13
MOTA	4894	01	HOH W	130	62.58	7 23.632	57.526	1.000	35.90
ATOM	4895	01	HOH W	131	-1.75	6 3.962	17.316	1.000	54.25
ATOM	4896	01	HOH W	132	-7.96	55 -8.197	36.101	1.000	44.77
ATOM	4897	01	HOH W	133	24.52	2 -12.151	40.839	1.000	47.60
MOTA	4898	01	HOH W	134	41.87	1 34.231	60.791	1.000	28.90
MOTA	4899	01	HOH W	135	0.08	4 1.514	45.812	1.000	36.86
ATOM	4900	01	HOH W	136	-8.40	8 3.637	36.615	1.000	38.14
MOTA	4901	01	HOH W	137	40.90	0 41.156	64.403	1.000	36.63
ATOM	4902	01	HOH W	138	-11.02	0 -17.691	22.512	1.000	75.97
ATOM	4903	01	HOH W	139	7.85	0 3.732	42.421		36.40
ATOM	4904	01	HOH W	140	26.44	3 -10.866	28.599	1.000	51.16
ATOM	4905	01	HOH W	141	23.10	9 4.111	20.091	1.000	51.94
ATOM	4906	01	HOH W	142	38.29	7 16.036	84.787	1.000	45.01
ATOM	4907	01	HOH W	143	21.91	3 17.019	28.707	1.000	43.32
ATOM	4908	01	HOH W	144	59.96	4 41.572	65.028	1.000	58.77
ATOM	4909	01	HOH W	145	46.87	3 21.994	79.174	1.000	40.67
ATOM	4910	01	HOH W	146	19.05	8 -16.861	40.797	1.000	48.41
MOTA	4911	01	HOH W	147	50.10	3 11.202	73.004	1.000	41.20
ATOM	4912	01	HOH W	148	-3.80	9.680	21.040		40.17
ATOM	4913	01	HOH W	149	0.48	6 8.561	18.811	1.000	40.75
ATOM	4914	01	HOH W	150	19.93	5 8.387	60.381	1.000	53.72
MOTA	4915	01	HOH W	151	23.47	7 -0.731	29.783	1.000	32.64
ATOM	4916	01	HOH W	152	43.87	6 43.513	55.758	1.000	69.30
MOTA	4917	01	HOH W	153	-5.16	1 3.525	27.477	1.000	32.16
ATOM	4918	01	HOH W	154	41.52	5 16.199	52.939	1.000	81.81
ATOM	4919	01	HOH W	155	-4.92	8 -12.335	20.354	1.000	61.63
ATOM	4920	01	HOH W	156	13.05	8 0.354	47.602	1.000	30.77
ATOM	4921	01	HOH W	157	43.05	9 17.423	76.789	1.000	45.11
ATOM	4922	01	HOH W	158	62.49	4 11.714	59.113	1.0001	108.46
MOTA	4923	01	HOH W	159	48.63	1 10.662	67.791	1.000	38.71
ATOM	4924	01	HOH W	160	36.30		83.433	1.000	53.78
ATOM	4925	01	HOH W	161	34.25		81.271	1.000	58.61
ATOM	4926	01	HOH W	162	41.19		80.959		
MOTA	4927	01	HOH W	163	41.828	3 13.385	50.732	1.000	77.14
MOTA	4928	01	HOH W	164	31.643		55.019		
MOTA	4929	01		165	15.868		66.209		
MOTA	4930	01		166	57.742		78.337	1.000	65.62
MOTA	4931	01	HOH W	167	4.61		27.972		
ATOM	4932	01	HOH W		2.783		23.213		
ATOM	4933	01	HOH W		59.715		80.391		
ATOM	4934	01	HOH W		37.169		35.477		
ATOM	4935	01	HOH W		15.841		41.958		68.09
ATOM	4936	01	HOH W		69.007		74.020		68.84
MOTA	4937	01	HOH W		63.270		57.782		41.40
MOTA	4938	01	HOH W		38.069		79.133		
ATOM	4939	01	HOH W	175	74.296	43.345	65.746	1.000	58.77

ATOM ATOM	4940 4941	01 01	нон w	176 177	29.671 27.349	29.752 16.661	62.465 41.834	1.000 1.000	48.75 64.12
ATOM	4942	01	HOH W	178	68.864	18.200	64.263	1.000	44.37
ATOM	4943	01	HOH W	179	51.540	25.428	52.448	1.000	52.06
MOTA	4944	01	HOH W	180	28.343	-0.494	74.952	1.000	90.20
ATOM	4945	01	HOH W	181	-12.972	-6.360	31.919	1.000	61.07
ATOM	4946	01	HOH W	182	29.627	16.979	37.935	1.000	63.71
MOTA	4947	01	нон м	183	30.147	-2.678	28.953	1.000	52.59
ATOM	4948	01	HOH W	184	55.934	13.116	53.037	1.000	49.11
ATOM	4949	01	HOH W	185	-4.863	-11.799	39.588	1.000	42.83
MOTA	4950	01	HOH W	186	52.756	41.765	58.587	1.000	57.97
MOTA	4951	01	HOH W	187	27.188	-2.332	27.244	1.000	43.06
ATOM	4952	01	нон W	188	30.473	7.380	75.791	1.000	81.10
MOTA	4953	01	HOH W	189	-7.908	-19.633	34.839	1.000	59.42
ATOM	4954	01	HOH W	190	28.733	14.583	42.278	1.000	54.80
MOTA	4955	01	HOH W	191	-13.906	-5.879	34.683	1.000	54.42
MOTA	4956	01	HOH W	192	60.646	30.561	54.430		103.36
MOTA	4957	01	HOH W	193	35.855	14.670	80.980	1.000	52.28
MOTA	4958	01	HOH W	194	19.267	-7.719	50.684	1.000	99.38
ATOM	4959	01	HOH W	195	17.702	-14.597	31.579	1.000	48.72
MOTA	4960	01	HOH W	196	25.127	1.357	21.179	1.000	86.89
MOTA	4961	01	HOH W	197	7.136	23.308	30.331	1.000	67.50
ATOM	4962	01	HOH W	198	66.979	28.356	73.926	1.000	73.15
ATOM	4963	01	HOH W	199	58.649	27.550	81.422	1.000	51.44
ATOM	4964	01	HOH W	200	26.717	16.527	75.237	1.000	49.85
ATOM END	4965	01	HOH W	201	50.540	18.935	78.454	1.000	49.28

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CRYST1	62.			.79		70.448	90.0		90.00	1 00 51 11
ATOM	1	N	THR		20		.220	15.647	19.635	1.00 51.11
ATOM	2	CA	THR		20		.046	16.499	20.485	1.00 49.11
ATOM	3	CB	THR		20		.219	17.270	21.525	1.00 56.84
ATOM	4	OG1	THR		20		.822	17.025	21.318	1.00 82.00
ATOM	5	CG2	THR	A	20	13.	.411	18.771	21.351	1.00 62.78
MOTA	6	С	THR	А	20		.126	15.682	21.189	1.00 47.28
ATOM	7	0	THR	Α	20		.920	14.601	21.731	1.00 36.27
ATOM	8	N	SER	Α	21	16	. 332	16.238	21.145	1.00 41.80
ATOM	9	CA	SER	Α	21	17.	. 525	15.585	21.640	1.00 38.45
ATOM	10	СВ	SER	Α	21	18.	.027	14.556	20.623	1.00 50.01
ATOM	11	OG	SER	Α	21	18.	. 114	15.125	19.328	1.00 57.39
ATOM	12	С	SER		21	18.	628	16.597	21.924	1.00 40.97
ATOM	13	0	SER		21	18	818	17.552	21.172	1.00 54.77
ATOM	14	N	CYS		22		.351	16.377	23.013	1.00 38.55
ATOM	15	CA	CYS		22		. 465	17.251	23.365	1.00 41.82
ATOM	16	СВ	CYS		22		.194	17.972	24.677	1.00 49.07
ATOM	17	SG	CYS		22		.184	19.448	24.992	1.00157.91
ATOM	18	C	CYS		22		.737	16.416	23.433	1.00 40.34
ATOM	19	0	CYS		22		215	16.085	24.518	1.00 48.60
ATOM	20	N	PRO		23		.270	16.062	22.271	1.00 32.99
	21	CA	PRO		23		.464	15.210	22.261	1.00 38.72
ATOM	22	CB	PRO		23		710	14.926	20.790	1.00 42.84
ATOM								15.348	20.73	1.00 43.60
ATOM	23	CG	PRO		23		.474		20.073	1.00 43.00
ATOM	24	CD	PRO		23		.836	16.415	20.914	1.00 38.02
ATOM	25	C	PRO		23		.615	15.995		1.00 47.03
ATOM	26	0	PRO		23		.711	17.211	22.701	
MOTA	27	N	ILE		24		. 460	15.298	23.625	1.00 44.75
ATOM	28	CA	ILE		24		.566	15.975	24.297	1.00 44.40
MOTA	29	CB	ILE		24		. 272	16.206	25.788	1.00 42.81
ATOM	30	CG1	ILE		24		.075	17.122	26.057	1.00 46.37
MOTA	31	CD1	ILE		24		.076	16.565	27.047	1.00 66.22
ATOM	32	CG2	ILE		24		.512	16.726	26.502	1.00 39.08
MOTA	33	С	ILE		24		.832	15.154	24.125	1.00 40.83
ATOM	34	0	ILE		24		. 907	13.977	24.460	1.00 37.86
ATOM	35	N	LYS		25		. 852	15.794	23.569	1.00 44.53
ATOM	36	CA	LYS		25		. 123	15.105	23.390	1.00 43.13
MOTA	37	CB	LYS	Α	25		.053	15.966	22.534	1.00 53.45
ATOM	38	CG	LYS	Α	25		. 471	16.274	21.159	1.00 54.09
MOTA	39	CD	LYS	Α	25		.401	15.816	20.047	1.00 53.48
ATOM	40	CE	LYS	Α	25	30.	.749	14.744	19.184	1.00 52.46
MOTA	41	NZ	LYS	A	25	31.	611	13.534	19.051	1.00 56.82
ATOM	42	С	LYS	Α	25	30.	.742	14.777	24.743	1.00 35.84
ATOM	43	0	LYS	Α	25	30.	676	15.549	25.699	1.00 35.11
ATOM	44	N	ILE	Α	26	31.	.342	13.599	24.805	1.00 30.07
ATOM	45	CA	ILE		26		956	13.072	26.009	1.00 44.79
ATOM	46	CB	ILE		26		.828	11.842	25.666	1.00 53.22
ATOM	47	CG1	ILE		26		.077	10.710	24.967	1.00 52.52
ATOM	48	CD1	ILE		26		646	10.520	25.409	1.00 30.26
ATOM	49	CG2	ILE		26		540	11.331	26.909	1.00 64.21
ATOM	50	C	ILE		26		827	14.089	26.738	1.00 48.16
ATOM	51	0	ILE		26		683	14.275	27.948	1.00 50.00
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ATOM	52	N	ASN	Α	27	33.731	14.732	26.005		46.06
MOTA	53	CA	ASN	Α	27	34.745	15.593	26.605	1.00	48.63
ATOM	54	CB	ASN	Α	27	35.900	15.802	25.627	1.00	60.83
ATOM	55	CG	ASN	Α	27	35.840	16.989	24.701	1.00	62.73
MOTA	56	OD1	ASN	Α	27	34.812	17.621	24.451	1.00	61.11
ATOM	57	ND2	ASN	Α	27	37.003	17.330	24.140	1.00	50.07
ATOM	58	С	ASN		27	34.158	16.914	27.075	1.00	49.04
MOTA	59	0	ASN		27	34.843	17.726	27.705	1.00	47.37
ATOM	60	N	GLN		28	32.878	17.141	26.778	1.00	46.15
ATOM	61	CA	GLN		28	32.271	18.381	27.266	1.00	49.97
ATOM	62	СВ	GLN		28	31.655	19.163	26.101	1.00	56.77
ATOM	63	CG	GLN		28	32.595	19.346	24.918	1.00	66.10
ATOM	64	CD	GLN		28	32.102	20.390	23.934	1.00	71.73
MOTA	65	OE1	GLN		28	31.403	21.326	24.320	1.00	72.33
ATOM	66	NE2	GLN		28	32.453	20.244	22.661	1.00	76.09
	67	C	GLN		28	31.227	18.109	28.337	1.00	40.82
ATOM					28	30.634	19.039	28.895	1.00	38.64
ATOM	68	O N	GLN		29	30.965	16.838	28.647		40.55
ATOM	69	N G7	PHE				16.576	29.522	1.00	33.60
ATOM	70	CA	PHE		29	29.821		29.660	1.00	39.21
ATOM	71	CB	PHE		29	29.591	15.064			32.38
ATOM	72	CG	PHE		29	28.380	14.777	30.544		
ATOM	73	CD1			29	27.109	14.865	30.005		33.31
MOTA	74	CE1	PHE		29	25.985	14.624	30.772	1.00	33.30
ATOM	75	CZ	PHE		29	26.136	14.282	32.103	1.00	38.62
ATOM	76	CE2	PHE		29	27.402	14.192	32.648	1.00	37.08
ATOM	77		PHE		29	28.520	14.426	31.874	1.00	28.51
ATOM	78	С	PHE		29	29.981	17.210	30.898		25.63
MOTA	79	0	PHE	Α	29	29.074	17.856	31.430	1.00	40.09
MOTA	80	N	GLU	A	30	31.161	17.013	31.469	1.00	36.23
ATOM	81	CA	GLU	Α	30	31.510	17.549	32.778		43.91
MOTA	82	CB	GLU	Α	30	33.004	17.328	33.045	1.00	55.32
ATOM	83	CG	GLU	Α	30	33.738	16.650	31.903	1.00	66.32
ATOM	84	CD	GLU	A	30	33.492	15.158	31.798	1.00	75.29
MOTA	85	OE1	GLU	Α	30	33.517	14.458	32.833	1.00	81.66
MOTA	86	OE2	GLU	Α	30	33.270	14.685	30.659	1.00	78.35
ATOM	87	С	GLU	Α	30	31.153	19.024	32.895	1.00	33.72
MOTA	88	0	GLU	A	30	30.421	19.428	33.800	1.00	34.69
ATOM	89	N	GLY		31	31.659	19.845	31.973	1.00	36.69
ATOM	90	CA	GLY	A	31	31.407	21.279	32.045		29.29
ATOM	91	С	GLY	Α	31	29.939	21.581	31.824	1.00	40.96
ATOM	92	0	GLY		31	29.333	22.407	32.512	1.00	37.93
ATOM	93	N	HIS		32	29.401	20.867	30.835	1.00	51.96
MOTA	94	CA	HIS		32	27.980	20.958	30.502	1.00	44.37
ATOM	95	СВ	HIS		32	27.638	19.919	29.443	1.00	58.95
ATOM	96	CG	HIS		32	26.265	19.339	29.512	1.00	69.53
ATOM	97		HIS		32	25.190	19.878	28.841		71.46
ATOM	98		HIS		32	24.109	19.159	29.083		73.05
ATOM	99		HIS		32	24.441	18.167	29.890		73.89
ATOM	100		HIS		32	25.783	18.259	30.170		73.95
ATOM	101	C	HIS		32	27.176	20.784	31.777		40.30
ATOM	101	0	HIS		32	26.380	21.635	32.177		35.23
ATOM	103	Ŋ	PHE		33	27.414	19.655	32.448		37.93
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ATOM	104	ÇA	PHE	A	33	26.660	19.416	33.684		35.86
ATOM	105	CB	PHE		33	27.026	18.033	34.233		30.87
ATOM	106	CG	PHE	A	33	26.146	17.593	35.390		31.86
ATOM	107	CD1	PHE	Α	33	24.793	17.870	35.387	1.00	30.87
ATOM	108	CE1	PHE	A	33	23.998	17.487	36.449	1.00	39.07
ATOM	109	CZ	PHE	Α	33	24.556	16.815	37.521	1.00	40.71
ATOM	110	CE2	PHE		33	25.911	16.528	37.534	1.00	33.73
ATOM	111		PHE		33	26.694	16.911	36.464	1.00	32.41
ATOM	112	C	PHE		33	26.888	20.531	34.694		33.77
ATOM	113	0	PHE		33	25.952	20.961	35.381		36.95
	114	N	MET		34	28.109	21.054	34.812		40.28
ATOM					34	28.365	22.163	35.733		36.53
ATOM	115	CA		A			22.550	35.715		37.70
ATOM	116	CB		A	34	29.840				44.64
MOTA	117	CG	MET	A	34	30.725	21.619	36.533		
ATOM	118	SD	MET	A	34	32.467	21.981	36.237		57.03
ATOM	119	CE	MET	A	34	32.639	23.515	37.150		38.10
ATOM	120	С	MET	A	34	27.538	23.393	35.382		32.51
ATOM	121	0	MET	Α	34	26.955	24.065	36.235		52.72
ATOM	122	N	LYS	Α	35	27.508	23.672	34.081	1.00	
MOTA	123	CA	LYS	Α	35	26.695	24.776	33.583	1.00	42.22
MOTA	124	CB	LYS	Α	35	26.769	24.818	32.059	1.00	53.72
ATOM	125	CG	LYS	Α	35	27.490	26.026	31.488	1.00	64.13
ATOM	126	CD	LYS	Α	35	26.830	26.522	30.211	1.00	73.45
MOTA	127	CE	LYS		35	25.799	27.603	30.481	1.00	79.66
ATOM	128	NZ	LYS		35	25.397	28.334	29.244	1.00	65.59
MOTA	129	C	LYS		35	25.261	24.606	34.072	1.00	42.89
ATOM	130	Ö	LYS		35	24.679	25.467	34.733		40.73
MOTA	131	N	LEU		36	24.707	23.441	33.733		35.38
ATOM	132	CA	LEU		36	23.356	23.091	34.131		26.66
	133	CB	LEU		36	23.027	21.631	33.793		34.71
ATOM	134	CG	LEU		36	22.556	21.329	32.373		35.84
ATOM						23.700	21.485	31.388		40.98
ATOM	135	CD1			36			32.277		32.82
ATOM	136		LEU		36	21.974	19.922			24.20
ATOM	137	C	LEU		36	23.172	23.283	35.629		
ATOM	138	0	LEU		36	22.123	23.748	36.062		28.20
MOTA	139	N	GLN		37	24.207	22.901	36.378		25.36
ATOM	140	CA	GLN		37	24.143	22.963	37.831		31.18
ATOM	141	CB	GLN		37	25.189	22.007	38.420	1.00	38.07
ATOM	142	CG	GLN		37	24.588	20.611	38.573		46.59
MOTA	143	CD	GLN	A	37	25.546		39.244		51.11
ATOM	144	OE1	GLN	Α	37	26.637	19.410	38.728		44.66
ATOM	145	NE2	GLN	A	37	25.114	19.115	40.378		36.68
ATOM	146	С	GLN	Α	37	24.337	24.373	38.379	1.00	40.44
ATOM	147	0	GLN	Α	37	23.814	24.666	39.455	1.00	35.38
ATOM	148	N	ALA	Α	38	25.050	25.199	37.630	1.00	45.31
ATOM	149	CA	ALA		38	25.238	26.608	37.933	1.00	58.11
ATOM	150	СВ	ALA		38	25.738	27.359	36.705	1.00	66.03
ATOM	151	C	ALA		38	23.953	27.264	38.431		66.10
ATOM	152	0	ALA		38	22.853	26.812	38.114		78.27
ATOM	153	N	ASP		39	24.121	28.331	39.199		68.10
ATOM	154	CA	ASP		39	23.041	29.104	39.794		71.28
	155	CB	ASP		39	22.423	30.060	38.774		77.06
ATOM	100	CD	MOP	П	JJ	44.443	50.000	50.77	1.00	. ,

ATOM	156	CG	ASP	Α	39	23.365	30.405	37.638	1.00 86.83
MOTA	157	OD1	ASP	Α	39	23.544	29.551	36.742	1.00105.52
ATOM	158	OD2	ASP	Α	39	23.932	31.516	37.639	1.00105.04
ATOM	159	С	ASP		39	21.969	28.188	40.383	1.00 69.59
ATOM	160	0	ASP		39	20.770	28.436	40.271	1.00 51.64
ATOM	161	N	SER		40	22.436	27.116	41.014	1.00 72.47
		CA	SER		40	21.569	26.129	41.639	1.00 73.99
ATOM	162				40	20.695	26.792	42.708	1.00 78.30
MOTA	163	CB	SER			20.340	25.862	43.718	1.00 96.66
ATOM	164	OG	SER		40		25.414	40.612	1.00 50.00
ATOM	165	С	SER		40	20.698			
MOTA	166	0	SER		40	19.473	25.380	40.738	1.00 68.61
ATOM	167	N	ASN		41	21.324	24.836	39.588	1.00 67.73
ATOM	168	CA	ASN		41	20.564	24.038	38.628	1.00 64.81
MOTA	169	CB	ASN		41	19.846	22.901	39.367	1.00 61.79
ATOM	170	CG	ASN		41	20.795	21.929	40.031	1.00 61.73
ATOM	171	OD1	ASN	А	41	22.000	21.958	39.789	1.00 69.43
ATOM	172	ND2	ASN	Α	41	20.260	21.055	40.876	1.00 77.55
ATOM	173	С	ASN	Α	41	19.542	24.870	37.871	1.00 61.80
ATOM	174	0	ASN	Α	41	18.448	24.397	37.545	1.00 46.20
ATOM	175	N	TYR	Α	42	19.871	26.131	37.586	1.00 55.50
ATOM	176	CA	TYR	Α	42	18.879	26.965	36.907	1.00 53.77
ATOM	177	СВ	TYR	Α	42	19.293	28.437	36.963	1.00 58.34
ATOM	178	CG	TYR		42	18.328	29.359	36.248	1.00 57.25
ATOM	179	CD1	TYR		42	17.106	29.704	36.812	1.00 53.13
ATOM	180	CE1	TYR		42	16.237	30.547	36.143	1.00 55.57
ATOM	181	CZ	TYR		42	16.586	31.048	34.908	1.00 57.51
ATOM	182	OH	TYR		42	15.728	31.888	34.236	1.00 77.05
ATOM	183	CE2	TYR		42	17.792	30.720	34.327	1.00 53.44
ATOM	184	CD2	TYR		42	18.652	29.878	35.001	1.00 54.42
		C	TYR		42	18.676	26.523	35.463	1.00 46.65
ATOM	185				42	17.565	26.523	34.925	1.00 42.26
ATOM	186	0	TYR		43	19.772	26.135	34.813	1.00 33.69
ATOM	187	N	LEU			19.638	25.715	33.419	1.00 35.76
ATOM	188	CA	LEU		43			32.706	1.00 39.54
ATOM	189	CB	LEU		43	20.980	25.835		
ATOM	190	CG	LEU		43	21.238	27.199	32.047	
ATOM	191		LEU		43	20.408	28.282	32.714	1.00 40.30
ATOM	192		LEU		43	22.709	27.555	32.093	1.00 29.81
ATOM	193	С	LEU		43	19.077	24.300	33.348	1.00 48.21
ATOM	194	0	LEU		43	18.421	23.937	32.371	1.00 40.48
MOTA	195	N	LEU	A	44	19.326	23.509	34.394	1.00 46.35
ATOM	196	CA	LEU	Α	44	18.762	22.160	34.438	1.00 44.23
ATOM	197	CB	LEU	А	44	19.440	21.300	35.503	1.00 45.17
ATOM	198	CG	LEU	A	44	19.102	19.805	35.499	1.00 45.62
ATOM	199	CD1	LEU	Α	44	20.365	18.965	35.586	1.00 31.11
ATOM	200	CD2	LEU	Α	44	18.148	19.475	36.638	1.00 39.34
ATOM	201	С	LEU		44	17.257	22.238	34.682	1.00 40.48
ATOM	202	0	LEU		44	16.490	21.546	34.017	1.00 46.20
ATOM	203	N	SER		45	16.833	23.079	35.624	1.00 37.28
ATOM	204	CA	SER		45	15.412	23.227	35.909	1.00 41.63
ATOM	205	СВ	SER		45	15.183	24.298	36.971	1.00 49.13
ATOM	206	OG	SER		45	15.258	23.742	38.273	1.00 45.34
ATOM	207	C	SER		45	14.644	23.557	34.635	1.00 47.28
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ATOM	208	0	SER	A	45	13.532	23.071	34.420	1.00 56.54
MOTA	209	N	LYS	Α	46	15.239	24.377	33.775	1.00 48.99
ATOM	210	CA	LYS	Α	46	14.588	24.708	32.508	1.00 53.30
ATOM	211	CB	LYS	Α	46	15.228	25.954	31.890	1.00 59.16
MOTA	212	CG	LYS	Α	46	15.006	27.210	32.725	1.00 63.86
ATOM	213	CD	LYS		46	15.835	28.379	32.220	1.00 64.48
ATOM	214	CE	LYS		46	15.039	29.675	32.252	1.00 64.98
	215	NZ	LYS		46	15.675	30.745	31.433	1.00 56.04
ATOM	216	C	LYS		46	14.622	23.533	31.535	1.00 47.85
ATOM						13.603	23.266	30.890	1.00 55.12
ATOM	217	0	LYS		46				1.00 35.12
ATOM	218	N	GLU		47	15.746	22.834	31.420	
MOTA	219	CA	GLU		47	15.840	21.669	30.546	1.00 45.16
ATOM	220	CB	GLU		47	17.247	21.060	30.588	1.00 47.65
ATOM	221	CG	GLU		47	17.495	20.034	29.498	1.00 48.46
ATOM	222	CD	GLU		47	18.919	19.534	29.410	1.00 55.44
ATOM	223	OE1	GLU	Α	47	19.665	19.977	28.510	1.00 68.33
ATOM	224	OE2	GLU	Α	47	19.316	18.675	30.229	1.00 55.44
ATOM	225	С	GLU	A	47	14.799	20.615	30.918	1.00 39.97
MOTA	226	0	GLU	Α	47	14.010	20.178	30.080	1.00 39.03
ATOM	227	N	TYR	Α	48	14.770	20.191	32.177	1.00 35.97
ATOM	228	CA	TYR		48	13.770	19.221	32.614	1.00 40.19
ATOM	229	СВ	TYR		48	13.910	18.925	34.105	1.00 35.08
ATOM	230	CG	TYR		48	13.004	17.856	34.671	1.00 32.74
ATOM	231	CD1	TYR		48	13.165	16.505	34.361	1.00 28.30
ATOM	232	CE1	TYR		48	12.316	15.553	34.903	1.00 22.32
MOTA	233	CZ	TYR		48	11.301	15.922	35.753	1.00 30.86
	234	OH	TYR		48	10.450	14.983	36.292	1.00 30.54
ATOM	235	CE2	TYR		48	11.115	17.253	36.080	1.00 26.20
ATOM							18.194	35.534	1.00 28.57
ATOM	236	CD2	TYR		48	11.970		32.302	1.00 20.57
ATOM	237	С	TYR		48	12.369	19.729		
MOTA	238	0	TYR		48	11.526	19.006	31.769	1.00 51.41
ATOM	239	N	GLU		49	12.105	20.994	32.637	1.00 46.93
MOTA	240	CA	GĻŪ		49	10.772	21.536	32.378	1.00 42.89
ATOM	241	CB	GĽU		49	10.655	22.963	32.912	1.00 52.01
ATOM	242	CG	GLU	A	49	9.269	23.330	33.420	1.00 65.78
ATOM	243	CD	GLU		49	8.788	22.347	34.472	1.00 79.04
ATOM	244	OE1	GLU	A	49	9.560	22.068	35.413	1.00 96.40
MOTA	245	OE2	GLU	Α	49	7.646	21.856	34.354	1.00 91.96
ATOM	246	C	GLU	Α	49	10.462	21.493	30.883	1.00 29.38
MOTA	247	0	GLU	A	49	9.309	21.423	30.462	1.00 38.63
ATOM	248	N	GLU		50	11.510	21.544	30.075	1.00 34.87
MOTA	249	CA	GLU		50	11.357	21.477	28.626	1.00 46.84
ATOM	250	CB	GLU		50	12.745	21.550	27.998	1.00 52.28
ATOM	251	CG	GLU		50	12.782	21.554	26.483	1.00 62.44
ATOM	252	CD	GLU		50	13.712	22.655	25.996	1.00 72.44
ATOM	253		GLU		50	14.373	22.454	24.958	1.00 92.62
			GLU		50	13.753	23.697	26.686	1.00 72.72
ATOM	254					10.644	20.199	28.208	1.00 72.72
ATOM	255	C	GLU		50			27.186	1.00 52.30
ATOM	256	0	GLU		50	9.964	20.114		
ATOM	257	N	LEU		51	10.816	19.164	29.028	1.00 44.46
ATOM	258	CA	LEU		51	10.319	17.841	28.691	1.00 34.94
MOTA	259	CB	LEU	Α	51	11.233	16.772	29.304	1.00 24.94

ATOM	260	CG	LEU	Α	51	12.654	16.734	28.754	1.00 21.39
ATOM	261	CD1	LEU	Α	51	13.621	16.312	29.850	1.00 34.46
MOTA	262	CD2	LEU	Α	51	12.731	15.811	27.550	1.00 25.27
ATOM	263	С	LEU	Α	51	8.912	17.588	29.202	1.00 42.88
ATOM	264	0	LEU		51	8.350	16.541	28.883	1.00 29.33
ATOM	265	N	LYS		52	8.399	18.530	29.983	1.00 44.99
ATOM	266	CA	LYS		52	7.115	18.337	30.643	1.00 49.66
ATOM	267	СВ	LYS		52	6.789	19.557	31.513	1.00 57.53
ATOM	268	CG	LYS		52	6.095	20.683	30.765	1.00 57.33
ATOM	269	CD	LYS		52	6.543	22.048	31.263	1.00 09.23
ATOM	270	CE	LYS		52	5.563	23.135		
ATOM	271	NZ	LYS		52			30.850	1.00 81.49
						4.161	22.796	31.229	1.00 87.53
ATOM	272	С	LYS		52	5.973	18.083	29.671	1.00 38.67
ATOM	273	0	LYS		52	5.052	17.334	29.988	1.00 35.81
ATOM	274	N	ASP		53	5.984	18.692	28.489	1.00 36.11
ATOM	275	CA	ASP		53	4.829	18.567	27.605	1.00 40.07
ATOM	276	CB	ASP		53	4.529	19.928	26.954	1.00 49.22
ATOM	277	CG	ASP		53	4.334	21.018	27.995	1.00 54.49
ATOM	278	OD1			53	5.153	21.961	28.039	1.00 73.06
ATOM	279		ASP		53	3.367	20.942	28.782	1.00 35.35
ATOM	280	С	ASP		53	5.012	17.503	26.537	1.00 32.08
ATOM	281	0	ASP	Α	53	4.126	17.303	25.702	1.00 27.30
ATOM	282	N	VAL	Α	54	6.138	16.789	26.531	1.00 23.82
MOTA	283	CA	VAL	Α	54	6.275	15.745	25.515	1.00 26.43
ATOM	284	CB	VAL	Α	54	7.644	15.063	25.611	1.00 23.01
MOTA	285	CG1	VAL	Α	54	7.804	13.986	24.545	1.00 19.26
MOTA	286	CG2	VAL	Α	54	8.762	16.096	25.487	1.00 34.53
ATOM	287	С	VAL	Α	54	5.166	14.704	25.659	1.00 26.62
ATOM	288	0	VAL	Α	54	4.905	14.234	26.761	1.00 17.16
ATOM	289	N	GLY	Α	55	4.527	14.349	24.554	1.00 21.88
ATOM	290	CA	GLY	Α	55	3.558	13.282	24.475	1.00 23.39
ATOM	291	С	GLY		55	2.195	13.617	25.024	1.00 30.22
ATOM	292	0	GLY		55	1.314	12.758	25.104	1.00 23.51
ATOM	293	N	ARG		56	1.989	14.875	25.405	1.00 31.50
ATOM	294	CA	ARG		56	0.782	15.271	26.119	1.00 28.44
ATOM	295	СВ	ARG		56	0.984	16.662	26.743	1.00 36.73
ATOM	296	CG	ARG		56	1.082	17.789	25.719	1.00 31.99
ATOM	297	CD	ARG		56	1.004	19.156	26.390	1.00 37.18
ATOM	298	NE	ARG		56	-0.281	19.323	27.056	1.00 43.75
ATOM	299	CZ	ARG		56	-0.556	19.932	28.193	1.00 45.89
ATOM	300		ARG		56	0.380	20.516	28.923	1.00 38.18
ATOM	301		ARG		56	-1.817	19.962	28.623	1.00 30.10
ATOM	302	C	ARG		56	-0.450	15.279	25.227	1.00 39.43
ATOM	303	0	ARG		56	-1.567	15.445	25.732	1.00 23.67
ATOM	304	N	ASN		57	-0.237			
ATOM	305	CA	ASN		57		15.110	23.922	1.00 26.65
	306					-1.345	15.090	22.982	1.00 27.28
ATOM		CB	ASN		57 57	-0.843	15.400	21.560	1.00 38.20
ATOM	307	CG	ASN		57 57	0.466	14.695	21.254	1.00 54.73
ATOM	308		ASN		57	1.420	14.764	22.038	1.00 55.09
ATOM	309		ASN		57	0.530	14.011	20.113	1.00 53.28
ATOM	310	С	ASN		57	-2.063	13.752	22.942	1.00 24.18
ATOM	311	0	ASN	А	57	-3.083	13.668	22.252	1.00 23.88

ATOM	312	N	GLN	Α	58	- 1.579	12.719	23.623	1.00 27.84
ATOM	313	CA	GLN	Α	58	-2.119	11.366	23.492	1.00 20.86
ATOM	314	СВ	GLN	Α	58	-0.963	10.339	23.556	1.00 16.18
ATOM	315	CG	GLN	Α	58	-0.004	10.576	22.386	1.00 19.18
MOTA	316	CD	GLN		58	1.282	9.797	22.440	1.00 17.89
ATOM	317	OE1	GLN		58	1.430	8.818	21.702	1.00 27.40
ATOM	318	NE2	GLN		58	2.226	10.196	23.293	1.00 22.07
ATOM	319	C	GLN		58	-3.169	11.060	24.540	1.00 24.60
	320	0	GLN		58	-3.146	11.517	25.685	1.00 28.29
ATOM					59	-4.147	10.253	24.129	1.00 19.50
ATOM	321	N	SER		59	-5.255	9.909	25.012	1.00 17.23
ATOM	322	CA	SER			-6.538	9.850	24.170	1.00 25.69
MOTA	323	CB	SER		59		11.173	23.891	1.00 42.05
MOTA	324	OG	SER		59	-6.970			1.00 42.03
MOTA	325	С	SER		59	-5.039	8.570	25.710	1.00 19.80
MOTA	326	0	SER		59	-4.224	7.784	25.210	
MOTA	327	N	CYS		60	-5.766	8.346	26.789	1.00 18.16
MOTA	328	CA	CYS		60	-5.784	7.104	27.553	1.00 24.60
ATOM	329	CB	CYS		60	-5.166	7.309	28.946	1.00 22.29
MOTA	330	SG	CYS		60	-3.478	7.963	28.894	1.00 32.87
MOTA	331	С	CYS	Α	60	-7.200	6.568	27.701	1.00 24.69
ATOM	332	0	CYS	Α	60	-7.633	6.163	28.783	1.00 15.41
ATOM	333	N	ASP	Α	61	- 7.989	6.554	26.627	1.00 21.29
ATOM	334	CA	ASP	Α	61	-9.399	6.222	26.803	1.00 17.62
ATOM	335	CB	ASP	Α	61	-10.193	6.519	25.524	1.00 24.76
ATOM	336	CG	ASP		61	-10.158	7.992	25.163	1.00 30.04
MOTA	337	OD1	ASP		61	-9.946	8.844	26.050	1.00 27.96
ATOM	338	OD2	ASP		61	-10.334	8.286	23.966	1.00 30.86
ATOM	339	С	ASP		61	-9.618	4.764	27.165	1.00 22.87
ATOM	340	0	ASP		61	-10.577	4.424	27.849	1.00 23.80
ATOM	341	N	ILE		62	-8.760	3.857	26.693	1.00 17.20
ATOM	342	CA	ILE		62	-9.073	2.454	27.018	1.00 17.76
ATOM	343	СВ	ILE		62	-8.198	1.491	26.203	1.00 19.59
MOTA	344	CG1	ILE		62	-8.434	1.614	24.694	1.00 30.45
ATOM	345	CD1	ILE		62	-9.906	1.542	24.325	1.00 29.59
ATOM	346	CG2	ILE		62	-8.389	0.061	26.685	1.00 19.52
ATOM	347	C	ILE		62	-8.891	2.209	28.509	1.00 24.81
ATOM	348	0	ILE		62	-9.671	1.523	29.170	1.00 20.96
ATOM	349	N	ALA		63	-7.831	2.828	29.030	1.00 18.90
	350	CA	ALA		63	-7.515	2.680	30.442	1.00 17.49
MOTA	351		ALA		63	-6.214	3.420	30.729	1.00 14.17
MOTA		CB	ALA		63	-8.646	3.193	31.321	1.00 22.60
ATOM	352	C			63	-8.776	2.756	32.467	1.00 21.69
ATOM	353	0	ALA				4.106	30.768	1.00 22.09
ATOM	354	N	LEU		64	-9.433			1.00 24.05
ATOM	355	CA	LEU		64	-10.531	4.780	31.447	1.00 24.03
MOTA	356	CB	LEU		64	-10.635	6.212	30.898	
ATOM	357	CG	LEU		64	-9.562	7.184	31.388	1.00 17.09
MOTA	358		LEU		64	-9.621	8.500	30.633	1.00 23.40
ATOM	359		LEU		64	-9.722	7.431	32.885	1.00 18.46
MOTA	360	С	LEU		64	-11.867	4.072	31.310	1.00 28.67
MOTA	361	0	LEU		64	-12.878	4.468	31.898	1.00 24.74
ATOM	362	N	LEU	А	65	-11.959	2.988	30.544	1.00 23.30
MOTA	363	CA	LEU	A	65	-13.262	2.317	30.495	1.00 26.61

ATOM 364 CB LEU A 65 -13.654 1.209 29.436 1.00 27.54 ATOM 365 CG LEU A 65 -12.868 0.573 27.069 1.00 25.94 ATOM 366 CD1 LEU A 65 -12.668 0.573 27.069 1.00 25.94 ATOM 367 CD2 LEU A 65 -13.911 2.707 27.542 1.00 31.37 ATOM 368 C LEU A 65 -13.911 2.707 27.542 1.00 31.37 ATOM 369 O LEU A 65 -13.911 2.707 27.542 1.00 27.17 ATOM 370 N PRO A 65 -14.907 1.798 32.204 1.00 27.17 ATOM 371 CA PRO A 66 -14.907 1.798 32.204 1.00 28.42 ATOM 371 CA PRO A 66 -16.909 1.316 33.342 1.00 34.08 ATOM 373 CG PRO A 66 -16.909 1.316 33.342 1.00 34.08 ATOM 373 CG PRO A 66 -14.879 -0.038 33.884 1.00 35.79 ATOM 374 CD PRO A 66 -14.879 -0.038 33.884 1.00 25.20 ATOM 375 C PRO A 66 -14.879 -0.038 33.884 1.00 25.20 ATOM 376 O PRO A 66 -14.879 -0.038 33.884 1.00 25.20 ATOM 377 N GLU A 67 -14.784 -0.948 32.916 1.00 39.08 ATOM 378 CA GLU A 67 -14.418 -2.299 33.346 1.00 35.73 ATOM 379 CB GLU A 67 -14.418 -2.299 33.346 1.00 35.73 ATOM 380 CG GLU A 67 -14.879 -3.321 32.308 1.00 30.53 ATOM 381 CD GLU A 67 -14.251 -4.752 29.884 1.00 77.10 ATOM 383 CGE GLU A 67 -14.264 -3.501 29.864 1.00 57.04 ATOM 384 C GLU A 67 -12.293 -2.398 33.622 1.00 39.08 ATOM 385 O GLU A 67 -12.293 -2.398 33.622 1.00 34.08 ATOM 386 N A SN A 68 -12.167 -1.380 33.588 1.00 32.32 ATOM 387 CA ASN A 68 -12.167 -1.390 33.588 1.00 32.32 ATOM 388 CB ASN A 68 -10.0724 -1.380 33.588 1.00 21.87 ATOM 389 CG ASN A 68 -12.167 -1.390 33.588 1.00 21.87 ATOM 390 OD1 ASN A 68 -12.167 -1.390 33.588 1.00 21.87 ATOM 391 ND2 ASN A 68 -10.127 -2.930 31.350 1.00 31.40 ATOM 392 C ASN A 68 -10.127 -2.930 31.350 1.00 31.52 ATOM 393 C ASN A 68 -10.127 -2.930 31.350 1.00 21.87 ATOM 396 CA ARG A 69 -11.775 2.999 37.824 1.00 54.18 ATOM 397 CG ARG A 69 -11.775 2.999 37.824 1.00 54.18 ATOM 398 CD ARG A 69 -12.116 600 35.599 37.824 1.00 37.94 ATOM 400 C ARG A 69 -11.375 3.781 40.910 1.00 38.08 ATOM 397 CG ARG A 69 -12.196 0.089 36.623 1.00 39.08 ATOM 400 C ARG A 69 -12.196 0.089 37.821 1.00 22.50 ATOM 400 C ARG A 69 -11.890 -1.889 37.821 1.00 31.94 ATOM 400 C ARG A 69 -11.890 -1.889 37.821 1.00 31.94 ATOM 401 CA L													
ATOM	ATOM	364	CB	LEU	Α	65	-1	3.254	1.	209	29.436	1.00	27.54
ATOM 368 C D2 LEU A 65 -13.911 2.707 27.542 1.00 31.37 ATOM 369 C LEU A 65 -13.622 1.772 31.869 1.00 24.88 ATOM 369 O LEU A 65 -12.743 1.361 32.617 1.00 27.17 ATOM 370 N PRO A 66 -14.907 1.798 32.204 1.00 28.42 ATOM 371 CA PRO A 66 -15.378 1.350 33.511 1.00 32.94 ATOM 372 CB PRO A 66 -15.378 1.350 33.511 1.00 34.08 ATOM 372 CB PRO A 66 -16.909 1.316 33.342 1.00 34.08 ATOM 373 CG PRO A 66 -16.909 1.316 33.342 1.00 34.08 ATOM 373 CG PRO A 66 -16.909 2.281 31.339 1.00 35.79 ATOM 374 CD PRO A 66 -14.879 -0.038 33.884 1.00 25.20 ATOM 375 C PRO A 66 -14.879 -0.038 33.884 1.00 25.20 ATOM 376 O PRO A 66 -14.879 -0.038 33.884 1.00 25.20 ATOM 377 N GLU A 67 -14.879 -0.038 33.884 1.00 25.20 ATOM 377 N GLU A 67 -14.418 -2.299 33.346 1.00 35.73 ATOM 379 CB GLU A 67 -14.418 -2.299 33.346 1.00 35.73 ATOM 379 CB GLU A 67 -14.4879 -3.321 32.308 1.00 39.08 ATOM 380 CG GLU A 67 -14.264 -3.501 29.864 1.00 57.56 ATOM 381 CD GLU A 67 -14.264 -3.501 29.864 1.00 57.56 ATOM 382 OEI GLU A 67 -14.264 -3.501 29.864 1.00 57.56 ATOM 383 OE2 GLU A 67 -14.264 -3.501 29.864 1.00 57.56 ATOM 384 C GLU A 67 -12.923 -2.398 33.622 1.00 36.25 ATOM 385 O GLU A 67 -12.923 -2.398 33.359 1.00 33.23 ATOM 389 CG ASN A 68 -12.167 -1.333 33.359 1.00 32.32 ATOM 389 CG ASN A 68 -12.167 -1.333 33.359 1.00 32.32 ATOM 389 CG ASN A 68 -10.724 -1.380 33.599 1.00 32.32 ATOM 389 CG ASN A 68 -10.724 -1.380 33.599 1.00 22.35 ATOM 389 CG ASN A 68 -10.127 -2.930 31.350 1.00 22.35 ATOM 389 CG ASN A 68 -10.127 -2.930 31.350 1.00 22.35 ATOM 389 CG ASN A 68 -10.127 -2.930 31.350 1.00 22.35 ATOM 389 CG ASN A 68 -10.127 -2.930 31.350 1.00 22.35 ATOM 389 CG ASN A 68 -10.127 -2.930 31.350 1.00 22.35 ATOM 389 CG ASN A 68 -10.127 -2.930 31.350 1.00 22.35 ATOM 389 CG ASN A 68 -10.127 -2.930 31.350 1.00 22.35 ATOM 389 CG ASN A 68 -10.127 -2.930 31.350 1.00 22.35 ATOM 389 CG ASN A 68 -10.127 -2.930 31.350 1.00 22.35 ATOM 389 CG ASN A 68 -10.128 -10.008 -1.714 31.195 1.00 29.65 ATOM 399 NE ARG A 69 -11.884 -0.604 38.189 1.00 33.64 ATOM 399 NE ARG A 69 -11.894 0.899 36.623 1.00 33.64	MOTA	365			Α				1.	722	28.042	1.00	27.54
ATOM 368 C LEU A 65 -13.622 1.772 31.869 1.00 24.88 ATOM 370 N PRO A 66 -14.907 1.798 32.204 1.00 27.17 ATOM 371 CA PRO A 66 -14.907 1.798 32.204 1.00 28.42 ATOM 371 CA PRO A 66 -15.378 1.350 33.511 1.00 32.94 ATOM 372 CB PRO A 66 -16.909 1.316 33.342 1.00 34.08 ATOM 373 CD PRO A 66 -17.188 2.301 32.262 1.00 34.08 ATOM 373 CD PRO A 66 -16.002 2.281 31.339 1.00 35.79 ATOM 375 C PRO A 66 -14.977 -0.329 35.039 1.00 35.79 ATOM 376 O PRO A 66 -14.577 -0.329 35.039 1.00 30.25 ATOM 377 N GLU A 67 -14.784 -0.948 32.916 1.00 26.85 ATOM 378 CA GLU A 67 -14.489 -0.329 35.039 1.00 30.25 ATOM 378 CA GLU A 67 -14.489 -3.321 32.308 1.00 35.73 ATOM 379 CB GLU A 67 -14.879 -3.321 32.308 1.00 35.73 ATOM 380 CG GLU A 67 -14.264 -3.501 29.864 1.00 57.56 ATOM 381 CD GLU A 67 -14.264 -3.501 29.864 1.00 57.56 ATOM 382 OEI GLU A 67 -14.264 -3.501 29.864 1.00 57.56 ATOM 383 OE2 GLU A 67 -12.426 -2.832 29.012 1.00 41.80 ATOM 384 C GLU A 67 -12.293 32.398 33.622 1.00 36.25 ATOM 385 O GLU A 67 -12.293 -2.398 33.622 1.00 36.25 ATOM 386 N ASN A 68 -12.167 -1.330 33.359 1.00 32.32 ATOM 387 CA ASN A 68 -10.724 -1.380 33.588 1.00 21.87 ATOM 388 CB ASN A 68 -10.724 -1.380 33.588 1.00 21.87 ATOM 390 ODI ASN A 68 -10.127 -2.930 31.350 1.00 22.35 ATOM 391 ND2 ASN A 68 -10.127 -2.930 31.350 1.00 22.35 ATOM 392 C ASN A 68 -10.127 -2.930 31.350 1.00 22.35 ATOM 393 O ASN A 68 -10.127 -2.930 31.350 1.00 22.35 ATOM 393 O ASN A 68 -10.127 -2.930 31.350 1.00 22.35 ATOM 393 O ASN A 68 -10.127 -2.930 31.350 1.00 22.35 ATOM 393 O ASN A 68 -10.127 -2.930 31.350 1.00 22.35 ATOM 393 O ASN A 68 -10.127 -2.930 31.350 1.00 22.35 ATOM 393 O ASN A 68 -10.127 -2.930 31.350 1.00 23.52 ATOM 393 O ASN A 68 -10.127 -2.930 31.350 1.00 23.52 ATOM 393 O ASN A 68 -10.127 -2.930 31.350 1.00 23.52 ATOM 393 O ASN A 68 -10.127 -2.930 31.350 1.00 23.52 ATOM 393 O ASN A 69 -11.86 0.026 35.58 1.00 20.30 ATOM 393 O ASN A 69 -11.86 0.026 35.58 1.00 20.30 ATOM 394 N AGG A 69 -11.86 0.026 35.58 1.00 20.30 ATOM 395 CA ARG A 69 -11.89 0.026 35.59 30.99 1.00 40.10 ATOM 400 C ARG A 69 -11.	ATOM						-1	2.668	0.	573	27.069	1.00	25.94
ATOM 369 O LEU A 65 -12.743 1.361 32.617 1.00 27.17 ATOM 370 N PRO A 66 -14.907 1.798 32.204 1.00 28.42 ATOM 371 CA PRO A 66 -15.378 1.350 33.511 1.00 32.94 ATOM 372 CB PRO A 66 -16.909 1.316 33.342 1.00 34.08 ATOM 373 CG PRO A 66 -17.188 2.301 32.262 1.00 39.92 ATOM 374 CD PRO A 66 -16.002 2.281 31.339 1.00 35.79 ATOM 375 C PRO A 66 -14.879 -0.038 33.884 1.00 25.20 ATOM 376 O PRO A 66 -14.879 -0.038 33.884 1.00 25.20 ATOM 377 N GLU A 67 -14.784 -0.948 32.916 1.00 26.85 ATOM 378 CA GLU A 67 -14.484 -2.299 33.346 1.00 35.73 ATOM 379 CB GLU A 67 -14.484 -2.299 33.346 1.00 35.73 ATOM 380 CG GLU A 67 -14.487 -3.321 32.308 1.00 39.08 ATOM 381 CD GLU A 67 -14.264 -3.501 29.864 1.00 57.56 ATOM 383 OE2 GLU A 67 -14.264 -3.501 29.864 1.00 57.56 ATOM 383 OE2 GLU A 67 -12.923 -2.398 33.622 1.00 36.25 ATOM 384 C GLU A 67 -12.923 -2.398 33.622 1.00 36.25 ATOM 385 O GLU A 67 -12.923 -2.398 33.622 1.00 36.25 ATOM 386 N ASN A 68 -12.167 -1.333 33.559 1.00 31.47 ATOM 387 CA ASN A 68 -10.724 -1.380 33.595 1.00 21.87 ATOM 389 CG ASN A 68 -10.724 -1.380 33.595 1.00 22.35 ATOM 390 ODI ASN A 68 -10.008 -1.714 31.195 1.00 19.79 ATOM 391 ND2 ASN A 68 -9.950 -0.974 32.395 1.00 22.35 ATOM 392 C ASN A 68 -10.026 35.508 1.00 22.35 ATOM 393 C ASN A 68 -9.927 -1.147 29.997 1.00 19.33 ATOM 394 N ARG A 69 -11.286 0.026 35.508 1.00 23.52 ATOM 395 CA ARG A 69 -11.286 0.026 35.508 1.00 23.52 ATOM 396 CB ARG A 69 -11.286 0.026 35.508 1.00 23.52 ATOM 397 CG ARG A 69 -11.286 0.026 35.508 1.00 23.52 ATOM 398 CC ASN A 68 -9.927 -1.147 29.997 1.00 19.33 ATOM 399 NE ARG A 69 -11.286 0.026 35.508 1.00 23.52 ATOM 390 CD ARG A 69 -11.286 0.026 35.508 1.00 23.52 ATOM 391 ND2 ASN A 68 -10.029 37.715 1.00 24.89 ATOM 392 C ASN A 68 -10.029 37.715 1.00 24.89 ATOM 393 C ARG A 69 -11.286 0.026 35.508 1.00 25.70 ATOM 394 N ARG A 69 -11.286 0.026 35.508 1.00 25.70 ATOM 395 CA ARG A 69 -11.286 0.026 35.508 1.00 25.70 ATOM 396 CB ARG A 69 -12.982 3.581 38.508 1.00 23.52 ATOM 400 CZ ARG A 69 -12.982 3.581 38.508 1.00 29.65 ATOM 400 CZ ARG A 69 -12.982 3.581 38.508 1.							-1	3.911					
ATOM 370 N PRO A 66 -144.907 1.798 32.204 1.00 28.42 ATOM 371 CA PRO A 66 -15.378 1.350 33.511 1.00 32.94 ATOM 372 CB PRO A 66 -16.909 1.316 33.511 1.00 32.94 ATOM 373 CC PRO A 66 -16.909 1.316 33.342 1.00 34.08 ATOM 374 CD PRO A 66 -16.002 2.281 31.339 1.00 35.79 ATOM 375 C PRO A 66 -16.002 2.281 31.339 1.00 35.79 ATOM 376 O PRO A 66 -14.577 -0.329 35.039 1.00 30.25 ATOM 377 N GLU A 67 -14.784 -0.948 32.916 1.00 26.85 ATOM 378 CA GLU A 67 -14.784 -0.948 32.916 1.00 26.85 ATOM 379 CB GLU A 67 -14.418 -2.299 33.346 1.00 35.73 ATOM 380 CG GLU A 67 -14.4879 -3.321 32.308 1.00 35.73 ATOM 381 CD GLU A 67 -14.264 -3.501 29.864 1.00 57.56 ATOM 381 CD GLU A 67 -14.264 -3.501 29.864 1.00 57.56 ATOM 382 OE1 GLU A 67 -14.264 -3.501 29.864 1.00 57.56 ATOM 384 C GLU A 67 -14.251 -4.752 29.884 1.00 77.10 ATOM 383 OE2 GLU A 67 -12.427 -3.441 34.078 1.00 38.23 ATOM 385 O GLU A 67 -12.447 -3.441 34.078 1.00 32.32 ATOM 386 N ASN A 68 -12.167 -1.330 33.359 1.00 32.32 ATOM 387 CA ASN A 68 -10.724 -1.380 33.359 1.00 32.32 ATOM 388 CB ASN A 68 -10.024 -1.380 33.359 1.00 21.87 ATOM 390 OD1 ASN A 68 -10.127 -2.930 31.350 1.00 22.35 ATOM 391 ND2 ASN A 68 -9.950 -0.794 32.395 1.00 22.35 ATOM 392 C ASN A 68 -10.127 -2.930 31.350 1.00 23.52 ATOM 393 N ASN A 68 -9.950 -0.794 32.395 1.00 22.35 ATOM 394 N ARG A 69 -11.286 0.026 35.508 1.00 23.52 ATOM 395 CA ARG A 69 -11.286 0.026 35.508 1.00 23.52 ATOM 396 CB ARG A 69 -11.286 0.026 35.508 1.00 23.52 ATOM 397 CG ARG A 69 -11.286 0.026 35.508 1.00 23.52 ATOM 398 CG ARG A 69 -11.286 0.026 35.508 1.00 23.52 ATOM 399 NE ARG A 69 -11.286 0.026 35.508 1.00 23.52 ATOM 390 NE ARG A 69 -11.286 0.026 35.508 1.00 23.52 ATOM 391 ND2 ASN A 68 -9.950 -0.794 32.395 1.00 23.52 ATOM 392 CG ARG A 69 -11.286 0.026 35.508 1.00 23.52 ATOM 393 N ARG A 69 -10.183 0.129 37.715 1.00 44.80 ATOM 394 N ARG A 69 -10.183 0.129 37.715 1.00 44.80 ATOM 395 CG ARG A 69 -10.183 0.129 37.715 1.00 49.80 ATOM 400 CZ ARG A 69 -11.776 -2.784 39.521 1.00 22.56 ATOM 401 NH1 ARG A 69 -11.684 -1.040 38.113 1.00 19.86 ATOM 402 NH2 ARG A	ATOM		С	LEU	Α	65	-1	3.622			31.869		
ATOM 371 CA PRO A 66	ATOM	369	0	LEU	А	65	-1	2.743	1.	361	32.617	1.00	27.17
ATOM 372 CB PRO A 66 -16,909 1.316 33.342 1.00 34.08 ATOM 374 CD PRO A 66 -17.188 2.301 32.262 1.00 39.99 ATOM 375 C PRO A 66 -14.879 -0.038 33.884 1.00 25.20 ATOM 376 O PRO A 66 -14.879 -0.038 33.884 1.00 25.20 ATOM 376 O PRO A 66 -14.777 -0.329 35.039 1.00 36.85 ATOM 378 CA GLU A 67 -14.418 -2.299 33.346 1.00 25.73 ATOM 380 CB GLU A 67 -14.879 -3.321 32.308 1.00 39.73 ATOM 381 CD GLU A 67 -14.264 -3.501 29.864 1.00 75.56 ATOM 382 CEL UA 67 <	ATOM	370	N	PRO	Α	66	-1	4.907	1.	798	32.204	1.00	28.42
ATOM 373 CG PRO A 66 -17.188 2.301 32.262 1.00 39.92 ATOM 376 CD PRO A 66 -16.002 2.281 31.339 1.00 35.73 ATOM 376 C PRO A 66 -14.879 -0.038 33.884 1.00 25.20 ATOM 377 N GLU A 67 -14.879 -0.0329 35.039 1.00 30.25 ATOM 378 CA GLU A 67 -14.784 -0.948 32.916 1.00 35.73 ATOM 379 CB GLU A 67 -14.418 -2.299 33.346 1.00 35.73 ATOM 380 CG GLU A 67 -14.879 -3.321 32.308 1.00 39.08 ATOM 381 CD GLU A 67 -14.264 -3.501 29.864 1.00 57.56 ATOM 382 OE1 GLU A 67 -14.264 -3.501 29.864 1.00 77.10 ATOM 383 OE2 GLU A 67 -14.264 -3.501 29.864 1.00 77.10 ATOM 383 OE2 GLU A 67 -12.4251 -4.752 29.884 1.00 77.10 ATOM 383 OE2 GLU A 67 -12.4251 -4.752 29.884 1.00 32.32 ATOM 385 O GLU A 67 -12.427 -3.441 34.078 1.00 32.32 ATOM 386 N ASN A 68 -12.167 -1.333 33.359 1.00 31.47 ATOM 387 CA ASN A 68 -10.724 -1.380 33.588 1.00 31.47 ATOM 388 CB ASN A 68 -10.008 -1.714 31.195 1.00 19.79 ATOM 390 OD1 ASN A 68 -9.950 -0.794 32.395 1.00 22.35 ATOM 391 ND2 ASN A 68 -9.950 -0.794 32.395 1.00 22.35 ATOM 393 ND2 ASN A 68 -9.927 -1.147 29.997 1.00 19.33 ATOM 394 N ARG A 69 -11.286 -0.026 35.508 1.00 20.30 ATOM 395 CA ARG A 69 -11.286 -0.026 35.508 1.00 20.30 ATOM 396 CB ARG A 69 -12.166 1.607 37.211 1.00 44.80 ATOM 397 CB ARG A 69 -12.177 3.903 39.904 1.00 71.32 ATOM 398 CB ARG A 69 -12.166 1.607 37.211 1.00 44.80 ATOM 399 NE ARG A 69 -12.177 3.903 39.904 1.00 73.55 ATOM 390 CD ARG A 69 -12.777 3.903 39.904 1.00 73.55 ATOM 390 CD ARG A 69 -12.717 3.903 39.904 1.00 73.55 ATOM 390 NE ARG A 69 -12.717 3.903 39.904 1.00 73.55 ATOM 401 NH1 ARG A 69 -11.775 2.959 37.824 1.00 63.01 ATOM 402 NH2 ARG A 69 -12.717 3.903 39.904 1.00 73.55 ATOM 404 O ARG A 69 -12.717 3.903 39.904 1.00 73.55 ATOM 405 N GLY A 70 -9.961 -1.818 39.143 1.00 22.36 ATOM 406 CA GLY A 70 -9.961 -1.818 39.143 1.00 23.99 ATOM 407 C GLY A 70 -9.961 -1.818 39.143 1.00 22.56 ATOM 408 C GLY A 70 -9.961 -1.818 39.143 1.00 19.86 ATOM 408 C GLY A 70 -9.961 -1.818 39.521 1.00 19.58 ATOM 408 C GLY A 70 -9.961 -1.818 39.521 1.00 15.28 ATOM 401 C LYS A 71 -8.200 -4.318 35.326 1.00 15.28	ATOM	371	CA	PRO	Α	66			1.	350	33.511	1.00	32.94
ATOM	MOTA	372	CB	PRO	Α	66	-1	6.909	1.	316	33.342	1.00	34.08
ATOM 375 C PRO A 66 -14.879 -0.038 33.884 1.00 25.20 ATOM 376 O PRO A 66 -14.577 -0.329 35.039 1.00 30.25 ATOM 377 N GLU A 67 -14.784 -0.948 32.916 1.00 26.85 ATOM 378 CA GLU A 67 -14.784 -2.299 33.346 1.00 35.73 ATOM 379 CB GLU A 67 -14.418 -2.299 33.346 1.00 39.08 ATOM 380 CG GLU A 67 -15.067 -2.754 30.914 1.00 57.56 ATOM 381 CD GLU A 67 -14.264 -3.501 29.864 1.00 57.56 ATOM 382 OE1 GLU A 67 -14.264 -3.501 29.864 1.00 57.56 ATOM 383 OE2 GLU A 67 -14.264 -3.501 29.864 1.00 57.56 ATOM 384 C GLU A 67 -14.264 -3.501 29.864 1.00 77.10 ATOM 385 O GLU A 67 -12.923 -2.398 33.622 1.00 36.25 ATOM 386 N ASN A 68 -12.167 -1.333 33.529 1.00 36.25 ATOM 387 CA ASN A 68 -12.167 -1.333 33.559 1.00 31.47 ATOM 388 CB ASN A 68 -10.724 -1.380 33.588 1.00 21.87 ATOM 389 CG ASN A 68 -10.024 -1.380 33.588 1.00 21.87 ATOM 390 ODI ASN A 68 -10.024 -1.380 33.588 1.00 22.35 ATOM 391 ND2 ASN A 68 -10.026 -1.714 31.195 1.00 19.79 ATOM 392 C ASN A 68 -10.127 -2.930 31.350 1.00 23.32 ATOM 393 O ASN A 68 -10.227 -2.930 31.350 1.00 23.35 ATOM 393 O ASN A 68 -10.227 -2.930 31.350 1.00 23.35 ATOM 393 O ASN A 68 -10.227 -2.930 31.350 1.00 23.35 ATOM 394 N ARG A 69 -11.286 0.026 35.508 1.00 26.70 ATOM 395 CA ARG A 69 -11.286 0.026 35.508 1.00 26.70 ATOM 396 CB ARG A 69 -11.286 0.026 35.508 1.00 26.70 ATOM 397 CG ARG A 69 -12.982 3.581 38.508 1.00 26.70 ATOM 399 NE ARG A 69 -12.982 3.581 38.508 1.00 26.70 ATOM 399 NE ARG A 69 -12.982 3.581 38.508 1.00 26.70 ATOM 399 NE ARG A 69 -12.116 1.607 37.211 1.00 44.80 ATOM 399 NE ARG A 69 -12.982 3.581 38.508 1.00 26.70 ATOM 402 NN2 ARG A 69 -12.982 3.581 38.508 1.00 26.70 ATOM 404 O ARG A 69 -12.982 3.581 38.508 1.00 26.70 ATOM 405 N GLY A 70 -9.961 -1.818 39.143 1.00 29.65 ATOM 406 CA GLY A 70 -9.961 -1.818 39.143 1.00 29.65 ATOM 407 C GLY A 70 -9.961 -1.818 39.143 1.00 29.65 ATOM 408 O GLY A 70 -9.961 -1.818 39.143 1.00 29.65 ATOM 409 N LYS A 71 -8.200 -4.318 35.326 1.00 15.62 ATOM 401 CA LYS A 71 -8.200 -4.318 35.326 1.00 15.62 ATOM 410 CA LYS A 71 -8.200 -4.318 35.326 1.00 15.528 ATOM 412 CG LYS A 71	ATOM	373	CG	PRO	Α	66	-1	7.188	2.	301	32.262	1.00	39.92
ATOM 376 O PRO A 66 -14.577 -0.329 35.039 1.00 30.25 ATOM 377 N GLU A 67 -14.784 -0.948 32.916 1.00 26.85 ATOM 378 CA GLU A 67 -14.418 -2.299 33.346 1.00 35.73 ATOM 379 CB GLU A 67 -14.879 -3.321 32.308 1.00 39.08 ATOM 380 CG GLU A 67 -14.879 -3.321 32.308 1.00 39.08 ATOM 381 CD GLU A 67 -15.067 -2.754 30.914 1.00 48.88 ATOM 381 CD GLU A 67 -14.251 -4.752 29.884 1.00 77.10 ATOM 382 OE1 GLU A 67 -14.251 -4.752 29.884 1.00 77.10 ATOM 383 OE2 GLU A 67 -14.251 -4.752 29.884 1.00 77.10 ATOM 384 C GLU A 67 -12.923 -2.398 33.622 1.00 36.25 ATOM 385 O GLU A 67 -12.923 -2.398 33.622 1.00 36.25 ATOM 385 O GLU A 67 -12.923 -2.398 33.622 1.00 36.25 ATOM 386 N ASN A 68 -12.167 -1.333 33.359 1.00 31.47 ATOM 387 CA ASN A 68 -10.724 -1.380 33.588 1.00 21.87 ATOM 380 CG ASN A 68 -10.724 -1.380 33.588 1.00 21.87 ATOM 380 CG ASN A 68 -10.008 -1.714 31.195 1.00 19.79 ATOM 390 OD1 ASN A 68 -10.008 -1.714 31.195 1.00 19.79 ATOM 390 OD1 ASN A 68 -10.127 -2.930 31.350 1.00 23.52 ATOM 391 ND2 ASN A 68 -9.927 -1.147 29.997 1.00 19.79 ATOM 392 C ASN A 68 -9.927 -1.147 29.997 1.00 19.33 ATOM 393 O ASN A 68 -9.927 -1.147 29.997 1.00 19.33 ATOM 394 N ARG A 69 -11.286 0.026 35.508 1.00 22.70 ATOM 395 CA ARG A 69 -11.286 0.026 35.508 1.00 22.70 ATOM 396 CB ARG A 69 -11.286 0.026 35.508 1.00 26.70 ATOM 397 CG ARG A 69 -11.286 0.026 35.508 1.00 26.70 ATOM 398 CD ARG A 69 -11.286 0.026 35.508 1.00 26.70 ATOM 399 NC ARG A 69 -11.286 0.026 35.508 1.00 26.70 ATOM 399 NC ARG A 69 -11.775 2.959 37.824 1.00 77.50 ATOM 390 NC ARG A 69 -11.775 2.959 37.824 1.00 77.50 ATOM 390 NC ARG A 69 -12.116 1.607 37.211 1.00 44.80 ATOM 390 NC ARG A 69 -12.116 1.607 37.211 1.00 44.80 ATOM 390 NC ARG A 69 -12.116 1.607 37.211 1.00 44.80 ATOM 400 NH1 ARG A 69 -12.717 3.903 39.904 1.00 77.55 ATOM 400 NH2 ARG A 69 -12.717 3.903 39.904 1.00 77.55 ATOM 400 NH2 ARG A 69 -12.717 3.903 39.904 1.00 77.55 ATOM 400 NH2 ARG A 69 -12.717 3.903 39.904 1.00 77.55 ATOM 400 NH2 ARG A 69 -12.716 1.818 39.133 1.00 29.65 ATOM 400 NH2 ARG A 69 -12.717 3.903 39.904 1.00 77.55 ATOM 400 NH2	ATOM	374	CD	PRO	Α	66	-1	6.002	2.	281	31.339	1.00	35.79
ATOM 378 CA GLU A 67 -14.784 -0.948 32.916 1.00 26.85 ATOM 378 CA GLU A 67 -14.418 -2.299 33.346 1.00 39.08 ATOM 380 CG GLU A 67 -14.879 -3.321 32.308 1.00 39.08 ATOM 381 CD GLU A 67 -15.067 -2.754 30.914 1.00 48.88 ATOM 381 CD GLU A 67 -14.264 -3.501 29.864 1.00 57.56 ATOM 382 OE1 GLU A 67 -14.264 -3.501 29.864 1.00 57.56 ATOM 383 OE2 GLU A 67 -14.264 -2.832 29.012 1.00 41.80 ATOM 383 OE2 GLU A 67 -12.923 -2.398 33.622 1.00 36.25 ATOM 385 O GLU A 67 -12.923 -2.398 33.622 1.00 36.25 ATOM 386 N ASN A 68 -12.167 -1.333 33.559 1.00 21.87 ATOM 386 N ASN A 68 -10.724 -1.330 33.559 1.00 21.87 ATOM 389 CG ASN A 68 -10.724 -1.380 33.558 1.00 21.87 ATOM 389 CG ASN A 68 -10.008 -1.714 31.195 1.00 19.33 ATOM 391 ND2 ASN A 68 -10.127 -2.930 31.350 1.00 23.52 ATOM 391 ND2 ASN A 68 -10.127 -2.930 31.350 1.00 23.52 ATOM 392 C ASN A 68 -10.229 -0.618 34.411 1.00 20.30 ATOM 393 O ASN A 68 -9.957 -0.794 32.395 1.00 22.35 ATOM 393 O ASN A 68 -10.229 -0.618 34.411 1.00 20.30 ATOM 393 O ASN A 68 -10.229 -0.618 34.411 1.00 20.30 ATOM 393 O ASN A 68 -9.927 -1.147 29.997 1.00 19.33 ATOM 393 O ASN A 68 -9.954 -0.604 35.215 1.00 22.70 ATOM 395 CA ARG A 69 -11.286 0.026 35.508 1.00 22.70 ATOM 396 CB ARG A 69 -11.286 0.026 35.508 1.00 22.70 ATOM 397 CG ARG A 69 -11.286 0.026 35.508 1.00 22.70 ATOM 398 CB ARG A 69 -11.286 0.026 35.508 1.00 26.70 ATOM 398 CB ARG A 69 -12.982 3.581 38.508 1.00 63.01 ATOM 398 CB ARG A 69 -12.982 3.581 38.508 1.00 63.01 ATOM 399 NC ARG A 69 -12.982 3.581 38.508 1.00 63.01 ATOM 400 NR1 ARG A 69 -12.982 3.581 38.508 1.00 63.01 ATOM 400 NR1 ARG A 69 -12.982 3.581 38.508 1.00 22.70 ATOM 400 NR1 ARG A 69 -12.982 3.581 38.508 1.00 22.70 ATOM 400 NR1 ARG A 69 -12.982 3.581 38.508 1.00 22.70 ATOM 400 NR1 ARG A 69 -12.982 3.581 38.508 1.00 22.70 ATOM 400 NR1 ARG A 69 -12.982 3.581 38.508 1.00 22.70 3.58 ATOM 400 CR ARG A 69 -12.982 3.581 38.508 1.00 22.70 3.58 ATOM 400 CR ARG A 69 -12.982 3.581 38.508 1.00 22.70 3.59 ATOM 400 CR ARG A 69 -12.982 3.581 38.508 1.00 22.56 ATOM 400 CR ARG A 69 -12.982 3.581 38.508 1.00 22.	MOTA	375	С	PRO	Α	66	-1	4.879	-0.	038	33.884	1.00	25.20
ATOM 378 CA GLU A 67	ATOM	376	0	PRO	Α	66	-1	4.577	-0.	329	35.039	1.00	30.25
ATOM 380 CG GLU A 67	ATOM	377	N	GLU	Α	67	-1	4.784	-0.	948	32.916	1.00	26.85
ATOM 380 CG GLU A 67	MOTA	378	CA	GLU	Α	67	-1	4.418	-2.	299	33.346	1.00	35.73
ATOM 381 CD GLU A 67 -14.264 -3.501 29.864 1.00 57.56 ATOM 382 OEI GLU A 67 -14.251 -4.752 29.884 1.00 77.10 ATOM 383 OE2 GLU A 67 -13.642 -2.832 29.012 1.00 41.80 ATOM 384 C GLU A 67 -12.923 -2.398 33.622 1.00 36.25 ATOM 385 O GLU A 67 -12.947 -3.441 34.078 1.00 32.32 ATOM 386 N ASN A 68 -12.167 -1.333 33.359 1.00 31.47 ATOM 387 CA ASN A 68 -10.724 -1.380 33.588 1.00 21.87 ATOM 388 CB ASN A 68 -9.950 -0.794 32.395 1.00 22.35 ATOM 399 CG ASN A 68 -10.008 -1.714 31.195 1.00 19.79 ATOM 390 ODI ASN A 68 -10.127 -2.930 31.350 1.00 23.52 ATOM 391 ND2 ASN A 68 -9.927 -1.147 29.997 1.00 19.33 ATOM 392 C ASN A 68 -10.329 -0.618 34.841 1.00 20.30 ATOM 393 O ASN A 68 -9.154 -0.604 35.215 1.00 22.70 ATOM 394 N ARG A 69 -11.286 0.026 35.508 1.00 22.70 ATOM 395 CA ARG A 69 -11.286 0.026 35.508 1.00 23.62 ATOM 397 CG ARG A 69 -11.775 2.959 37.211 1.00 44.80 ATOM 398 CD ARG A 69 -12.116 1.607 37.211 1.00 44.80 ATOM 399 NE ARG A 69 -12.717 3.903 39.904 1.00 77.50 ATOM 399 NE ARG A 69 -12.717 3.903 39.904 1.00 77.50 ATOM 400 CZ ARG A 69 -12.717 3.903 39.904 1.00 77.50 ATOM 401 NH1 ARG A 69 -13.573 3.781 40.910 1.00 77.50 ATOM 402 NH2 ARG A 69 -13.573 3.781 40.910 1.00 77.50 ATOM 403 C ARG A 69 -13.573 3.781 40.910 1.00 77.55 ATOM 404 O ARG A 69 -13.573 3.781 40.910 1.00 77.55 ATOM 405 N GLY A 70 -9.961 -1.818 39.143 1.00 23.99 ATOM 406 CA GLY A 70 -9.961 -1.818 39.143 1.00 23.99 ATOM 407 C GLY A 70 -8.590 -2.288 38.689 1.00 23.99 ATOM 408 O GLY A 70 -7.784 -2.734 39.521 1.00 22.56 ATOM 409 N LYS A 71 -8.500 -2.288 38.689 1.00 23.99 ATOM 400 CA LYS A 71 -8.500 -2.288 38.689 1.00 23.09 ATOM 410 CA LYS A 71 -8.500 -2.285 35.480 1.00 15.60 ATOM 410 CB LYS A 71 -7.123 -3.252 35.480 1.00 15.60 ATOM 410 CB LYS A 71 -7.123 -3.252 35.480 1.00 15.60 ATOM 411 CB LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 412 CG LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 413 CD LYS A 71 -9.713 -5.448 33.703 1.00 27.04	ATOM	379	CB	GLU	Α	67	-1	4.879	-3.	321	32.308	1.00	39.08
ATOM 382 OE1 GLU A 67 -14.251 -4.752 29.884 1.00 77.10 ATOM 383 OE2 GLU A 67 -13.642 -2.832 29.012 1.00 41.80 ATOM 384 C GLU A 67 -12.923 -2.398 33.622 1.00 36.25 ATOM 385 O GLU A 67 -12.447 -3.441 34.078 1.00 32.32 ATOM 386 N ASN A 68 -12.167 -1.333 33.359 1.00 31.47 ATOM 387 CA ASN A 68 -10.724 -1.380 33.588 1.00 21.87 ATOM 388 CB ASN A 68 -9.950 -0.794 32.395 1.00 22.35 ATOM 389 CG ASN A 68 -9.950 -0.794 32.395 1.00 22.35 ATOM 391 ND2 ASN A 68 -10.127 -2.930 31.350 1.00 23.52 ATOM 391 ND2 ASN A 68 -9.927 -1.147 29.997 1.00 19.33 ATOM 392 C ASN A 68 -9.927 -1.147 29.997 1.00 19.33 ATOM 393 O ASN A 68 -9.154 -0.604 35.215 1.00 22.70 ATOM 394 N ARG A 69 -11.286 0.026 35.508 1.00 22.70 ATOM 395 CA ARG A 69 -10.894 0.889 36.623 1.00 33.64 ATOM 396 CB ARG A 69 -11.775 2.959 37.211 1.00 44.80 ATOM 397 CG ARG A 69 -12.982 3.581 38.508 1.00 63.01 ATOM 398 CD ARG A 69 -12.717 3.903 39.904 1.00 77.50 ATOM 399 NE ARG A 69 -12.717 3.903 39.904 1.00 77.50 ATOM 400 CZ ARG A 69 -13.573 3.781 40.910 1.00 77.50 ATOM 401 NH1 ARG A 69 -13.573 3.781 40.910 1.00 77.55 ATOM 402 NH2 ARG A 69 -13.573 3.781 40.910 1.00 77.55 ATOM 403 C ARG A 69 -13.773 3.903 39.904 1.00 73.55 ATOM 404 O ARG A 69 -13.773 3.903 39.904 1.00 73.55 ATOM 405 N GLY A 70 -9.961 -1.818 39.143 1.00 29.65 ATOM 406 CA GLY A 70 -9.961 -1.818 39.143 1.00 23.99 ATOM 407 C GLY A 70 -9.961 -1.818 39.143 1.00 23.99 ATOM 408 O GLY A 70 -9.961 -1.818 39.143 1.00 23.99 ATOM 409 N LYS A 71 -8.590 -2.288 38.689 1.00 24.39 ATOM 400 CA LYS A 71 -8.590 -2.288 38.689 1.00 24.39 ATOM 401 NH CR LYS A 71 -8.590 -2.288 38.689 1.00 24.39 ATOM 402 CB LYS A 71 -8.590 -2.288 38.689 1.00 15.60 ATOM 410 CA LYS A 71 -7.003 -2.702 36.908 1.00 15.88 ATOM 410 CB LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 412 CG LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 413 CD LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 414 CE LYS A 71 -9.713 -5.448 33.703 1.00 27.04	ATOM	380	CG	GLU	Α	67	-1	5.067	-2.	754	30.914	1.00	48.88
ATOM 383 OE2 GLU A 67	MOTA	381	CD	GLU	Α	67	-1	4.264	-3.	501	29.864	1.00	57.56
ATOM 384 C GLU A 67 -12.923 -2.398 33.622 1.00 36.25 ATOM 385 O GLU A 67 -12.447 -3.441 34.078 1.00 32.32 ATOM 386 N ASN A 68 -12.167 -1.333 33.359 1.00 31.47 ATOM 387 CA ASN A 68 -10.724 -1.380 33.588 1.00 21.87 ATOM 388 CB ASN A 68 -9.950 -0.794 32.395 1.00 22.35 ATOM 389 CG ASN A 68 -10.008 -1.714 31.195 1.00 19.79 ATOM 390 OD1 ASN A 68 -10.008 -1.714 31.195 1.00 19.79 ATOM 391 ND2 ASN A 68 -10.127 -2.930 31.350 1.00 23.52 ATOM 391 ND2 ASN A 68 -9.927 -1.147 29.997 1.00 19.33 ATOM 392 C ASN A 68 -9.927 -1.147 29.997 1.00 19.33 ATOM 393 O ASN A 68 -9.154 -0.604 35.215 1.00 22.70 ATOM 394 N ARG A 69 -11.286 0.026 35.508 1.00 26.70 ATOM 395 CA ARG A 69 -11.286 0.026 35.508 1.00 26.70 ATOM 396 CB ARG A 69 -12.116 1.607 37.211 1.00 44.80 ATOM 397 CG ARG A 69 -11.775 2.959 37.824 1.00 54.18 ATOM 398 CD ARG A 69 -12.982 3.581 38.508 1.00 63.01 ATOM 399 NE ARG A 69 -12.717 3.903 39.904 1.00 71.32 ATOM 400 CZ ARG A 69 -12.717 3.903 39.904 1.00 77.50 ATOM 401 NH1 ARG A 69 -12.717 3.903 39.904 1.00 77.50 ATOM 402 NH2 ARG A 69 -13.573 3.781 40.910 1.00 77.50 ATOM 402 NH2 ARG A 69 -13.573 3.781 40.910 1.00 77.50 ATOM 402 NH2 ARG A 69 -10.153 0.129 37.715 1.00 29.65 ATOM 403 C ARG A 69 -10.153 0.129 37.715 1.00 29.65 ATOM 404 O ARG A 69 -9.113 0.604 38.189 1.00 29.65 ATOM 405 N GLY A 70 -9.961 -1.818 39.143 1.00 19.86 ATOM 407 C GLY A 70 -9.961 -1.818 39.143 1.00 19.98 ATOM 406 CA GLY A 70 -9.961 -1.818 39.143 1.00 19.98 ATOM 407 C GLY A 70 -9.961 -1.818 39.143 1.00 19.98 ATOM 408 O GLY A 70 -9.961 -1.818 39.143 1.00 19.98 ATOM 409 N LYS A 71 -8.500 -2.288 38.689 1.00 15.60 ATOM 411 CB LYS A 71 -7.003 -2.702 36.908 1.00 15.60 ATOM 411 CB LYS A 71 -7.123 -3.252 35.480 1.00 15.62 ATOM 412 CG LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 414 CE LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 414 CE LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 414 CE LYS A 71 -8.403 -4.675 33.855 1.00 15.32	ATOM	382	OE1	GLU	Α	67	-1	4.251	-4.	752	29.884	1.00	77.10
ATOM 385 O GLU A 67 -12.447 -3.441 34.078 1.00 32.32 ATOM 386 N ASN A 68 -12.167 -1.333 33.359 1.00 31.47 ATOM 387 CA ASN A 68 -10.724 -1.380 33.588 1.00 21.87 ATOM 388 CB ASN A 68 -9.950 -0.794 32.395 1.00 22.35 ATOM 389 CG ASN A 68 -10.008 -1.714 31.195 1.00 19.79 ATOM 390 OD1 ASN A 68 -10.127 -2.930 31.350 1.00 23.52 ATOM 391 ND2 ASN A 68 -9.927 -1.147 29.997 1.00 19.33 ATOM 392 C ASN A 68 -9.927 -1.147 29.997 1.00 19.33 ATOM 393 O ASN A 68 -9.927 -1.147 29.997 1.00 19.33 ATOM 393 N ARG A 69 -10.329 -0.618 34.841 1.00 20.30 ATOM 394 N ARG A 69 -11.286 0.026 35.508 1.00 26.70 ATOM 395 CA ARG A 69 -11.286 0.026 35.508 1.00 33.64 ATOM 397 CG ARG A 69 -12.116 1.607 37.211 1.00 44.80 ATOM 398 CD ARG A 69 -12.116 1.607 37.211 1.00 44.80 ATOM 399 NE ARG A 69 -12.116 1.607 37.211 1.00 44.80 ATOM 399 NE ARG A 69 -12.717 3.903 39.904 1.00 71.32 ATOM 400 CZ ARG A 69 -12.717 3.903 39.904 1.00 77.50 ATOM 401 NH1 ARG A 69 -12.717 3.903 39.904 1.00 77.50 ATOM 402 NH2 ARG A 69 -14.801 3.330 40.694 1.00 77.55 ATOM 402 NH2 ARG A 69 -13.573 3.781 40.910 1.00 77.50 ATOM 402 NH2 ARG A 69 -14.801 3.330 40.694 1.00 86.91 ATOM 403 C ARG A 69 -13.573 3.781 40.910 1.00 77.55 ATOM 402 NH2 ARG A 69 -10.153 0.129 37.715 1.00 29.65 ATOM 404 O ARG A 69 -9.113 0.604 38.189 1.00 40.10 ATOM 405 N GLY A 70 -9.961 -1.818 39.143 1.00 19.86 ATOM 406 CA GLY A 70 -9.961 -1.818 39.143 1.00 19.86 ATOM 407 C GLY A 70 -9.961 -1.818 39.143 1.00 19.86 ATOM 408 O GLY A 70 -7.784 -2.784 39.521 1.00 22.56 ATOM 409 N LYS A 71 -8.301 -2.205 37.379 1.00 19.98 ATOM 408 O GLY A 70 -7.784 -2.784 39.521 1.00 25.56 ATOM 411 CB LYS A 71 -8.301 -2.205 37.379 1.00 19.98 ATOM 412 CG LYS A 71 -8.200 -4.318 35.326 1.00 15.28 ATOM 412 CG LYS A 71 -8.200 -4.318 35.326 1.00 15.28 ATOM 413 CD LYS A 71 -8.403 -4.675 33.855 1.00 15.28 ATOM 414 CE LYS A 71 -8.403 -4.675 33.855 1.00 15.28 ATOM 414 CE LYS A 71 -9.713 -5.448 33.703 1.00 27.04	ATOM	383	OE2	GLU	Α	67	-1	3.642	-2.	832	29.012	1.00	41.80
ATOM 386 N ASN A 68 -12.167 -1.333 33.359 1.00 31.47 ATOM 387 CA ASN A 68 -10.724 -1.380 33.588 1.00 21.87 ATOM 388 CB ASN A 68 -9.950 -0.794 32.395 1.00 22.35 ATOM 389 CG ASN A 68 -10.008 -1.714 31.195 1.00 19.79 ATOM 390 OD1 ASN A 68 -10.127 -2.930 31.350 1.00 23.52 ATOM 391 ND2 ASN A 68 -9.927 -1.147 29.997 1.00 19.33 ATOM 392 C ASN A 68 -9.927 -1.147 29.997 1.00 19.33 ATOM 393 O ASN A 68 -9.154 -0.604 35.215 1.00 22.70 ATOM 394 N ARG A 69 -11.286 0.026 35.508 1.00 26.70 ATOM 395 CA ARG A 69 -11.286 0.026 35.508 1.00 26.70 ATOM 396 CB ARG A 69 -12.116 1.607 37.211 1.00 44.80 ATOM 397 CG ARG A 69 -12.116 1.607 37.211 1.00 44.80 ATOM 398 CD ARG A 69 -12.982 3.581 38.508 1.00 63.01 ATOM 399 NE ARG A 69 -12.717 3.903 39.904 1.00 71.32 ATOM 400 CZ ARG A 69 -12.717 3.903 39.904 1.00 77.50 ATOM 401 NH1 ARG A 69 -13.203 4.108 42.144 1.00 73.55 ATOM 402 NH2 ARG A 69 -13.203 4.108 42.144 1.00 73.55 ATOM 403 C ARG A 69 -9.113 0.604 38.189 1.00 40.10 ATOM 404 O ARG A 69 -9.113 0.604 38.189 1.00 40.10 ATOM 405 N GLY A 70 -10.644 -1.040 38.113 1.00 29.65 ATOM 406 CA GLY A 70 -8.590 -2.288 38.689 1.00 22.39 ATOM 407 C GLY A 70 -8.590 -2.288 38.689 1.00 23.99 ATOM 408 O GLY A 70 -8.590 -2.288 38.689 1.00 22.56 ATOM 409 N LYS A 71 -8.501 -2.205 37.379 1.00 19.98 ATOM 411 CB LYS A 71 -8.500 -4.318 35.326 1.00 15.60 ATOM 411 CB LYS A 71 -8.403 -4.675 33.855 1.00 15.28 ATOM 413 CD LYS A 71 -8.403 -4.675 33.855 1.00 15.28 ATOM 414 CE LYS A 71 -9.713 -5.448 33.703 1.00 27.04	ATOM	384	C	GLU	A	67	-1	2.923	-2.	398	33.622	1.00	36.25
ATOM 388 CB ASN A 68	ATOM	385	0	GLU	Α	67	-1	2.447	-3.	441	34.078	1.00	32.32
ATOM 388 CB ASN A 68	ATOM	386	N	ASN	А	68	-1	2.167	-1.	333	33.359	1.00	31.47
ATOM 389 CG ASN A 68 -10.008 -1.714 31.195 1.00 19.79 ATOM 390 OD1 ASN A 68 -10.127 -2.930 31.350 1.00 23.52 ATOM 391 ND2 ASN A 68 -9.927 -1.147 29.997 1.00 19.33 ATOM 392 C ASN A 68 -9.927 -0.618 34.841 1.00 20.30 ATOM 393 O ASN A 68 -9.154 -0.604 35.215 1.00 22.70 ATOM 394 N ARG A 69 -11.286 0.026 35.508 1.00 26.70 ATOM 395 CA ARG A 69 -11.286 0.026 35.508 1.00 26.70 ATOM 396 CB ARG A 69 -12.116 1.607 37.211 1.00 44.80 ATOM 397 CG ARG A 69 -12.116 1.607 37.211 1.00 44.80 ATOM 398 CD ARG A 69 -12.982 3.581 38.508 1.00 63.01 ATOM 399 NE ARG A 69 -12.982 3.581 38.508 1.00 63.01 ATOM 399 NE ARG A 69 -12.717 3.903 39.904 1.00 71.32 ATOM 400 CZ ARG A 69 -13.573 3.781 40.910 1.00 77.50 ATOM 401 NH1 ARG A 69 -14.801 3.330 40.694 1.00 86.91 ATOM 402 NH2 ARG A 69 -13.203 4.108 42.144 1.00 29.65 ATOM 403 C ARG A 69 -10.153 0.129 37.715 1.00 29.65 ATOM 404 O ARG A 69 -9.113 0.604 38.189 1.00 40.10 ATOM 405 N GLY A 70 -10.644 -1.040 38.113 1.00 23.99 ATOM 406 CA GLY A 70 -9.961 -1.818 39.143 1.00 19.86 ATOM 407 C GLY A 70 -8.590 -2.288 38.689 1.00 24.39 ATOM 408 O GLY A 70 -8.590 -2.288 38.689 1.00 24.39 ATOM 400 CA LYS A 71 -8.301 -2.205 37.379 1.00 19.98 ATOM 410 CA LYS A 71 -8.301 -2.205 37.379 1.00 19.98 ATOM 411 CB LYS A 71 -7.123 -3.252 35.480 1.00 15.60 ATOM 412 CG LYS A 71 -8.200 -4.318 35.326 1.00 15.28 ATOM 413 CD LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 414 CE LYS A 71 -8.403 -4.675 33.855 1.00 15.32	ATOM	387	CA	ASN	Α	68	-1	0.724	-1.3	380	33.588	1.00	21.87
ATOM 390 OD1 ASN A 68 -10.127 -2.930 31.350 1.00 23.52 ATOM 391 ND2 ASN A 68 -9.927 -1.147 29.997 1.00 19.33 ATOM 392 C ASN A 68 -10.329 -0.618 34.841 1.00 20.30 ATOM 393 O ASN A 68 -9.154 -0.604 35.215 1.00 22.70 ATOM 394 N ARG A 69 -11.286 0.026 35.508 1.00 26.70 ATOM 395 CA ARG A 69 -10.894 0.889 36.623 1.00 33.64 ATOM 396 CB ARG A 69 -12.116 1.607 37.211 1.00 44.80 ATOM 397 CG ARG A 69 -11.775 2.959 37.824 1.00 54.18 ATOM 398 CD ARG A 69 -12.982 3.581 38.508 1.00 63.01 ATOM 399 NE ARG A 69 -12.982 3.581 38.508 1.00 63.01 ATOM 399 NE ARG A 69 -12.717 3.903 39.904 1.00 71.32 ATOM 400 CZ ARG A 69 -13.573 3.781 40.910 1.00 77.50 ATOM 401 NH1 ARG A 69 -14.801 3.330 40.694 1.00 86.91 ATOM 402 NH2 ARG A 69 -13.203 4.108 42.144 1.00 73.55 ATOM 404 O ARG A 69 -10.153 0.129 37.715 1.00 29.65 ATOM 404 O ARG A 69 -9.113 0.604 38.189 1.00 40.10 ATOM 405 N GLY A 70 -10.644 -1.040 38.113 1.00 23.99 ATOM 406 CA GLY A 70 -9.961 -1.818 39.143 1.00 19.86 ATOM 407 C GLY A 70 -9.961 -1.818 39.143 1.00 19.86 ATOM 408 O GLY A 70 -7.784 -2.734 39.521 1.00 24.39 ATOM 408 O GLY A 70 -7.784 -2.734 39.521 1.00 22.56 ATOM 409 N LYS A 71 -8.301 -2.205 37.379 1.00 19.98 ATOM 410 CA LYS A 71 -7.003 -2.205 37.379 1.00 19.98 ATOM 410 CA LYS A 71 -7.003 -2.702 36.908 1.00 15.60 ATOM 412 CG LYS A 71 -8.403 -4.675 33.855 1.00 15.28 ATOM 413 CD LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 414 CE LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 414 CE LYS A 71 -9.713 -5.448 33.703 1.00 27.04	ATOM	388	CB	ASN	Α	68	-	9.950	-0.	794	32.395	1.00	22.35
ATOM 390 OD1 ASN A 68 -10.127 -2.930 31.350 1.00 23.52 ATOM 391 ND2 ASN A 68 -9.927 -1.147 29.997 1.00 19.33 ATOM 392 C ASN A 68 -10.329 -0.618 34.841 1.00 20.30 ATOM 393 O ASN A 68 -9.154 -0.604 35.215 1.00 22.70 ATOM 394 N ARG A 69 -11.286 0.026 35.508 1.00 26.70 ATOM 395 CA ARG A 69 -10.894 0.889 36.623 1.00 33.64 ATOM 396 CB ARG A 69 -12.116 1.607 37.211 1.00 44.80 ATOM 397 CG ARG A 69 -11.775 2.959 37.824 1.00 54.18 ATOM 398 CD ARG A 69 -12.982 3.581 38.508 1.00 63.01 ATOM 399 NE ARG A 69 -12.982 3.581 38.508 1.00 63.01 ATOM 399 NE ARG A 69 -12.717 3.903 39.904 1.00 71.32 ATOM 400 CZ ARG A 69 -13.573 3.781 40.910 1.00 77.50 ATOM 401 NH1 ARG A 69 -14.801 3.330 40.694 1.00 86.91 ATOM 402 NH2 ARG A 69 -13.203 4.108 42.144 1.00 73.55 ATOM 404 O ARG A 69 -10.153 0.129 37.715 1.00 29.65 ATOM 404 O ARG A 69 -9.113 0.604 38.189 1.00 40.10 ATOM 405 N GLY A 70 -10.644 -1.040 38.113 1.00 23.99 ATOM 406 CA GLY A 70 -9.961 -1.818 39.143 1.00 19.86 ATOM 407 C GLY A 70 -9.961 -1.818 39.143 1.00 19.86 ATOM 408 O GLY A 70 -7.784 -2.734 39.521 1.00 24.39 ATOM 408 O GLY A 70 -7.784 -2.734 39.521 1.00 22.56 ATOM 409 N LYS A 71 -8.301 -2.205 37.379 1.00 19.98 ATOM 410 CA LYS A 71 -7.003 -2.205 37.379 1.00 19.98 ATOM 410 CA LYS A 71 -7.003 -2.702 36.908 1.00 15.60 ATOM 412 CG LYS A 71 -8.403 -4.675 33.855 1.00 15.28 ATOM 413 CD LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 414 CE LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 414 CE LYS A 71 -9.713 -5.448 33.703 1.00 27.04	ATOM	389	CG	ASN	Α	68	-1	0.008	-1.	714	31.195	1.00	19.79
ATOM 392 C ASN A 68 -10.329 -0.618 34.841 1.00 20.30 ATOM 393 O ASN A 68 -9.154 -0.604 35.215 1.00 22.70 ATOM 394 N ARG A 69 -11.286 0.026 35.508 1.00 26.70 ATOM 395 CA ARG A 69 -10.894 0.889 36.623 1.00 33.64 ATOM 396 CB ARG A 69 -12.116 1.607 37.211 1.00 44.80 ATOM 397 CG ARG A 69 -12.116 1.607 37.211 1.00 54.18 ATOM 398 CD ARG A 69 -12.982 3.581 38.508 1.00 63.01 ATOM 399 NE ARG A 69 -12.982 3.581 38.508 1.00 63.01 ATOM 399 NE ARG A 69 -12.717 3.903 39.904 1.00 71.32 ATOM 400 CZ ARG A 69 -13.573 3.781 40.910 1.00 77.50 ATOM 401 NH1 ARG A 69 -14.801 3.330 40.694 1.00 86.91 ATOM 402 NH2 ARG A 69 -13.203 4.108 42.144 1.00 73.55 ATOM 403 C ARG A 69 -10.153 0.129 37.715 1.00 29.65 ATOM 404 O ARG A 69 -9.113 0.604 38.189 1.00 40.10 ATOM 405 N GLY A 70 -10.644 -1.040 38.113 1.00 23.99 ATOM 406 CA GLY A 70 -9.961 -1.818 39.143 1.00 19.86 ATOM 407 C GLY A 70 -8.590 -2.288 38.689 1.00 24.39 ATOM 408 O GLY A 70 -7.784 -2.734 39.521 1.00 22.56 ATOM 409 N LYS A 71 -8.301 -2.205 37.379 1.00 19.98 ATOM 410 CA LYS A 71 -8.301 -2.205 37.379 1.00 19.98 ATOM 411 CB LYS A 71 -7.123 -3.252 35.480 1.00 15.60 ATOM 411 CB LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 413 CD LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 414 CE LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 414 CE LYS A 71 -9.713 -5.448 33.703 1.00 27.04	ATOM	390	OD1	ASN	Α	68	-1	0.127	-2.	930	31.350		23.52
ATOM 394 N ARG A 69 -11.286 0.026 35.508 1.00 22.70 ATOM 395 CA ARG A 69 -10.894 0.889 36.623 1.00 33.64 ATOM 396 CB ARG A 69 -12.116 1.607 37.211 1.00 44.80 ATOM 397 CG ARG A 69 -11.775 2.959 37.824 1.00 54.18 ATOM 398 CD ARG A 69 -12.982 3.581 38.508 1.00 63.01 ATOM 399 NE ARG A 69 -12.717 3.903 39.904 1.00 71.32 ATOM 400 CZ ARG A 69 -13.573 3.781 40.910 1.00 77.50 ATOM 401 NH1 ARG A 69 -14.801 3.330 40.694 1.00 86.91 ATOM 402 NH2 ARG A 69 -13.203 4.108 42.144 1.00 73.55 ATOM 403 C ARG A 69 -10.153 0.129 37.715 1.00 29.65 ATOM 404 O ARG A 69 -9.113 0.604 38.189 1.00 40.10 ATOM 405 N GLY A 70 -10.644 -1.040 38.113 1.00 23.99 ATOM 406 CA GLY A 70 -9.961 -1.818 39.143 1.00 19.86 ATOM 409 N LYS A 71 -8.301 -2.205 37.379 1.00 19.98 ATOM 409 N LYS A 71 -8.301 -2.205 37.379 1.00 19.98 ATOM 410 CA LYS A 71 -7.003 -2.702 36.908 1.00 15.28 ATOM 411 CB LYS A 71 -7.123 -3.252 35.480 1.00 15.28 ATOM 413 CD LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 413 CD LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 414 CE LYS A 71 -9.713 -5.448 33.703 1.00 27.04	ATOM	391	ND2	ASN	Α	68	-	9.927	-1.	147	29.997	1.00	19.33
ATOM 394 N ARG A 69 -11.286 0.026 35.508 1.00 22.70 ATOM 395 CA ARG A 69 -10.894 0.889 36.623 1.00 33.64 ATOM 396 CB ARG A 69 -12.116 1.607 37.211 1.00 44.80 ATOM 397 CG ARG A 69 -11.775 2.959 37.824 1.00 54.18 ATOM 398 CD ARG A 69 -12.982 3.581 38.508 1.00 63.01 ATOM 399 NE ARG A 69 -12.717 3.903 39.904 1.00 71.32 ATOM 400 CZ ARG A 69 -13.573 3.781 40.910 1.00 77.50 ATOM 401 NH1 ARG A 69 -14.801 3.330 40.694 1.00 86.91 ATOM 402 NH2 ARG A 69 -13.203 4.108 42.144 1.00 73.55 ATOM 403 C ARG A 69 -10.153 0.129 37.715 1.00 29.65 ATOM 404 O ARG A 69 -9.113 0.604 38.189 1.00 40.10 ATOM 405 N GLY A 70 -10.644 -1.040 38.113 1.00 23.99 ATOM 406 CA GLY A 70 -9.961 -1.818 39.143 1.00 19.86 ATOM 409 N LYS A 71 -8.301 -2.205 37.379 1.00 19.98 ATOM 409 N LYS A 71 -8.301 -2.205 37.379 1.00 19.98 ATOM 410 CA LYS A 71 -7.003 -2.702 36.908 1.00 15.28 ATOM 411 CB LYS A 71 -7.123 -3.252 35.480 1.00 15.28 ATOM 413 CD LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 413 CD LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 414 CE LYS A 71 -9.713 -5.448 33.703 1.00 27.04	ATOM	392	С	ASN	Α	68	-1	0.329	-0.0	618	34.841	1.00	20.30
ATOM 395 CA ARG A 69 -10.894 0.889 36.623 1.00 33.64 ATOM 396 CB ARG A 69 -12.116 1.607 37.211 1.00 44.80 ATOM 397 CG ARG A 69 -11.775 2.959 37.824 1.00 54.18 ATOM 398 CD ARG A 69 -12.982 3.581 38.508 1.00 63.01 ATOM 399 NE ARG A 69 -12.717 3.903 39.904 1.00 71.32 ATOM 400 CZ ARG A 69 -13.573 3.781 40.910 1.00 77.50 ATOM 401 NH1 ARG A 69 -14.801 3.330 40.694 1.00 86.91 ATOM 402 NH2 ARG A 69 -13.203 4.108 42.144 1.00 73.55 ATOM 403 C ARG A 69 -10.153 0.129 37.715 1.00 29.65 ATOM 404 O ARG A 69 -9.113 0.604 38.189 1.00 40.10 ATOM 405 N GLY A 70 -10.644 -1.040 38.113 1.00 23.99 ATOM 406 CA GLY A 70 -9.961 -1.818 39.143 1.00 19.86 ATOM 407 C GLY A 70 -8.590 -2.288 38.689 1.00 24.39 ATOM 408 O GLY A 70 -7.784 -2.734 39.521 1.00 22.56 ATOM 409 N LYS A 71 -8.301 -2.205 37.379 1.00 19.98 ATOM 410 CA LYS A 71 -7.003 -2.702 36.908 1.00 15.60 ATOM 411 CB LYS A 71 -7.123 -3.252 35.480 1.00 15.28 ATOM 412 CG LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 413 CD LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 414 CE LYS A 71 -9.713 -5.448 33.703 1.00 27.04	ATOM	393	0			68	_	9.154	-0.0	604	35.215	1.00	22.70
ATOM 396 CB ARG A 69 -12.116 1.607 37.211 1.00 44.80 ATOM 397 CG ARG A 69 -11.775 2.959 37.824 1.00 54.18 ATOM 398 CD ARG A 69 -12.982 3.581 38.508 1.00 63.01 ATOM 399 NE ARG A 69 -12.717 3.903 39.904 1.00 71.32 ATOM 400 CZ ARG A 69 -13.573 3.781 40.910 1.00 77.50 ATOM 401 NH1 ARG A 69 -14.801 3.330 40.694 1.00 86.91 ATOM 402 NH2 ARG A 69 -13.203 4.108 42.144 1.00 73.55 ATOM 403 C ARG A 69 -10.153 0.129 37.715 1.00 29.65 ATOM 404 O ARG A 69 -9.113 0.604 38.189 1.00 40.10 ATOM 405 N GLY A 70 -10.644 -1.040 38.113 1.00 23.99 ATOM 406 CA GLY A 70 -9.961 -1.818 39.143 1.00 19.86 ATOM 407 C GLY A 70 -8.590 -2.288 38.689 1.00 24.39 ATOM 408 O GLY A 70 -7.784 -2.734 39.521 1.00 22.56 ATOM 409 N LYS A 71 -8.301 -2.205 37.379 1.00 19.98 ATOM 410 CA LYS A 71 -8.301 -2.205 37.379 1.00 19.98 ATOM 411 CB LYS A 71 -7.003 -2.702 36.908 1.00 15.60 ATOM 411 CB LYS A 71 -8.200 -4.318 35.326 1.00 15.28 ATOM 413 CD LYS A 71 -8.403 -4.675 33.855 1.00 15.28 ATOM 414 CE LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 414 CE LYS A 71 -9.713 -5.448 33.703 1.00 27.04	ATOM	394	N	ARG	Α	69	-1	1.286	0.0	026	35.508	1.00	26.70
ATOM 397 CG ARG A 69 -11.775 2.959 37.824 1.00 54.18 ATOM 398 CD ARG A 69 -12.982 3.581 38.508 1.00 63.01 ATOM 399 NE ARG A 69 -12.717 3.903 39.904 1.00 71.32 ATOM 400 CZ ARG A 69 -13.573 3.781 40.910 1.00 77.50 ATOM 401 NH1 ARG A 69 -14.801 3.330 40.694 1.00 86.91 ATOM 402 NH2 ARG A 69 -13.203 4.108 42.144 1.00 73.55 ATOM 403 C ARG A 69 -10.153 0.129 37.715 1.00 29.65 ATOM 404 O ARG A 69 -9.113 0.604 38.189 1.00 40.10 ATOM 405 N GLY A 70 -10.644 -1.040 38.113 1.00 23.99 ATOM 406 CA GLY A 70 -9.961 -1.818 39.143 1.00 19.86 ATOM 407 C GLY A 70 -8.590 -2.288 38.689 1.00 24.39 ATOM 408 O GLY A 70 -7.784 -2.734 39.521 1.00 22.56 ATOM 409 N LYS A 71 -8.301 -2.205 37.379 1.00 19.98 ATOM 410 CA LYS A 71 -7.003 -2.702 36.908 1.00 15.60 ATOM 411 CB LYS A 71 -7.123 -3.252 35.480 1.00 15.28 ATOM 413 CD LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 413 CD LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 414 CE LYS A 71 -9.713 -5.448 33.703 1.00 27.04	ATOM	395	CA	ARG	Α	69	-1	0.894	0.8	389	36.623	1.00	33.64
ATOM 398 CD ARG A 69 -12.982 3.581 38.508 1.00 63.01 ATOM 399 NE ARG A 69 -12.717 3.903 39.904 1.00 71.32 ATOM 400 CZ ARG A 69 -13.573 3.781 40.910 1.00 77.50 ATOM 401 NH1 ARG A 69 -14.801 3.330 40.694 1.00 86.91 ATOM 402 NH2 ARG A 69 -13.203 4.108 42.144 1.00 73.55 ATOM 403 C ARG A 69 -10.153 0.129 37.715 1.00 29.65 ATOM 404 O ARG A 69 -9.113 0.604 38.189 1.00 40.10 ATOM 405 N GLY A 70 -10.644 -1.040 38.113 1.00 23.99 ATOM 406 CA GLY A 70 -9.961 -1.818 39.143 1.00 19.86 ATOM 407 C GLY A 70 -8.590 -2.288 38.689 1.00 24.39 ATOM 408 O GLY A 70 -7.784 -2.734 39.521 1.00 22.56 ATOM 409 N LYS A 71 -8.301 -2.205 37.379 1.00 19.98 ATOM 410 CA LYS A 71 -7.003 -2.702 36.908 1.00 15.60 ATOM 411 CB LYS A 71 -7.123 -3.252 35.480 1.00 15.28 ATOM 412 CG LYS A 71 -8.200 -4.318 35.326 1.00 15.28 ATOM 413 CD LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 414 CE LYS A 71 -9.713 -5.448 33.703 1.00 27.04	ATOM	396	СВ	ARG	Α	69	-1	2.116	1.6	607	37.211	1.00	44.80
ATOM 399 NE ARG A 69 -12.717 3.903 39.904 1.00 71.32 ATOM 400 CZ ARG A 69 -13.573 3.781 40.910 1.00 77.50 ATOM 401 NH1 ARG A 69 -14.801 3.330 40.694 1.00 86.91 ATOM 402 NH2 ARG A 69 -13.203 4.108 42.144 1.00 73.55 ATOM 403 C ARG A 69 -10.153 0.129 37.715 1.00 29.65 ATOM 404 O ARG A 69 -9.113 0.604 38.189 1.00 40.10 ATOM 405 N GLY A 70 -10.644 -1.040 38.113 1.00 23.99 ATOM 406 CA GLY A 70 -9.961 -1.818 39.143 1.00 19.86 ATOM 407 C GLY A 70 -8.590 -2.288 38.689 1.00 24.39 ATOM 408 O GLY A 70 -7.784 -2.734 39.521 1.00 22.56 ATOM 409 N LYS A 71 -8.301 -2.205 37.379 1.00 19.98 ATOM 410 CA LYS A 71 -7.003 -2.702 36.908 1.00 15.60 ATOM 411 CB LYS A 71 -7.123 -3.252 35.480 1.00 18.68 ATOM 412 CG LYS A 71 -8.200 -4.318 35.326 1.00 15.28 ATOM 413 CD LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 414 CE LYS A 71 -8.403 -4.675 33.855 1.00 15.32	ATOM	397	CG	ARG	Α	69	-1	1.775	2.9	959	37.824	1.00	54.18
ATOM 400 CZ ARG A 69 -13.573 3.781 40.910 1.00 77.50 ATOM 401 NH1 ARG A 69 -14.801 3.330 40.694 1.00 86.91 ATOM 402 NH2 ARG A 69 -13.203 4.108 42.144 1.00 73.55 ATOM 403 C ARG A 69 -10.153 0.129 37.715 1.00 29.65 ATOM 404 O ARG A 69 -9.113 0.604 38.189 1.00 40.10 ATOM 405 N GLY A 70 -10.644 -1.040 38.113 1.00 23.99 ATOM 406 CA GLY A 70 -9.961 -1.818 39.143 1.00 19.86 ATOM 407 C GLY A 70 -8.590 -2.288 38.689 1.00 24.39 ATOM 408 O GLY A 70 -7.784 -2.734 39.521 1.00 22.56 ATOM 409 N LYS A 71 -8.301 -2.205 37.379 1.00 19.98 ATOM 410 CA LYS A 71 -7.003 -2.702 36.908 1.00 15.60 ATOM 411 CB LYS A 71 -7.123 -3.252 35.480 1.00 18.68 ATOM 412 CG LYS A 71 -8.200 -4.318 35.326 1.00 15.28 ATOM 413 CD LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 414 CE LYS A 71 -9.713 -5.448 33.703 1.00 27.04	ATOM	398	CD	ARG	Α	69	-1:	2.982	3.5	581	38.508	1.00	63.01
ATOM 400 CZ ARG A 69 -13.573 3.781 40.910 1.00 77.50 ATOM 401 NH1 ARG A 69 -14.801 3.330 40.694 1.00 86.91 ATOM 402 NH2 ARG A 69 -13.203 4.108 42.144 1.00 73.55 ATOM 403 C ARG A 69 -10.153 0.129 37.715 1.00 29.65 ATOM 404 O ARG A 69 -9.113 0.604 38.189 1.00 40.10 ATOM 405 N GLY A 70 -10.644 -1.040 38.113 1.00 23.99 ATOM 406 CA GLY A 70 -9.961 -1.818 39.143 1.00 19.86 ATOM 407 C GLY A 70 -8.590 -2.288 38.689 1.00 24.39 ATOM 408 O GLY A 70 -7.784 -2.734 39.521 1.00 22.56 ATOM 409 N LYS A 71 -8.301 -2.205 37.379 1.00 19.98 ATOM 410 CA LYS A 71 -7.003 -2.702 36.908 1.00 15.60 ATOM 411 CB LYS A 71 -7.123 -3.252 35.480 1.00 18.68 ATOM 412 CG LYS A 71 -8.200 -4.318 35.326 1.00 15.28 ATOM 413 CD LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 414 CE LYS A 71 -9.713 -5.448 33.703 1.00 27.04	ATOM	399	NE	ARG	Α	69	-1:	2.717	3.9	903	39.904	1.00	
ATOM 402 NH2 ARG A 69 -13.203 4.108 42.144 1.00 73.55 ATOM 403 C ARG A 69 -10.153 0.129 37.715 1.00 29.65 ATOM 404 O ARG A 69 -9.113 0.604 38.189 1.00 40.10 ATOM 405 N GLY A 70 -10.644 -1.040 38.113 1.00 23.99 ATOM 406 CA GLY A 70 -9.961 -1.818 39.143 1.00 19.86 ATOM 407 C GLY A 70 -8.590 -2.288 38.689 1.00 24.39 ATOM 408 O GLY A 70 -7.784 -2.734 39.521 1.00 22.56 ATOM 409 N LYS A 71 -8.301 -2.205 37.379 1.00 19.98 ATOM 410 CA LYS A 71 -7.003 -2.702 36.908 1.00 15.60 ATOM 411 CB LYS A 71 -7.123 -3.252 35.480 1.00 15.28 ATOM 412 CG LYS A 71 -8.200 -4.318 35.326 1.00 15.28 ATOM 413 CD LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 414 CE LYS A 71 -9.713 -5.448 33.703 1.00 27.04	ATOM	400	CZ	ARG	Α	69	-1:	3.573	3.7	781	40.910	1.00	77.50
ATOM 403 C ARG A 69 -10.153 0.129 37.715 1.00 29.65 ATOM 404 O ARG A 69 -9.113 0.604 38.189 1.00 40.10 ATOM 405 N GLY A 70 -10.644 -1.040 38.113 1.00 23.99 ATOM 406 CA GLY A 70 -9.961 -1.818 39.143 1.00 19.86 ATOM 407 C GLY A 70 -8.590 -2.288 38.689 1.00 24.39 ATOM 408 O GLY A 70 -7.784 -2.734 39.521 1.00 22.56 ATOM 409 N LYS A 71 -8.301 -2.205 37.379 1.00 19.98 ATOM 410 CA LYS A 71 -7.003 -2.702 36.908 1.00 15.60 ATOM 411 CB LYS A 71 -7.123 -3.252 35.480 1.00 15.60 ATOM 412 CG LYS A 71 -8.200 -4.318 35.326 1.00 15.28 ATOM 413 CD LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 414 CE LYS A 71 -9.713 -5.448 33.703 1.00 27.04	ATOM	401	NH1	ARG	Α	69	-1	4.801	3.3	330	40.694	1.00	86.91
ATOM 404 O ARG A 69 -9.113 0.604 38.189 1.00 40.10 ATOM 405 N GLY A 70 -10.644 -1.040 38.113 1.00 23.99 ATOM 406 CA GLY A 70 -9.961 -1.818 39.143 1.00 19.86 ATOM 407 C GLY A 70 -8.590 -2.288 38.689 1.00 24.39 ATOM 408 O GLY A 70 -7.784 -2.734 39.521 1.00 22.56 ATOM 409 N LYS A 71 -8.301 -2.205 37.379 1.00 19.98 ATOM 410 CA LYS A 71 -7.003 -2.702 36.908 1.00 15.60 ATOM 411 CB LYS A 71 -7.123 -3.252 35.480 1.00 15.28 ATOM 412 CG LYS A 71 -8.200 -4.318 35.326 1.00 15.28 ATOM 413 CD LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 414 CE LYS A 71 -9.713 -5.448 33.703 1.00 27.04	ATOM	402	NH2	ARG	Α	69	-13	3.203	4.1	108	42.144	1.00	73.55
ATOM 404 O ARG A 69 -9.113 0.604 38.189 1.00 40.10 ATOM 405 N GLY A 70 -10.644 -1.040 38.113 1.00 23.99 ATOM 406 CA GLY A 70 -9.961 -1.818 39.143 1.00 19.86 ATOM 407 C GLY A 70 -8.590 -2.288 38.689 1.00 24.39 ATOM 408 O GLY A 70 -7.784 -2.734 39.521 1.00 22.56 ATOM 409 N LYS A 71 -8.301 -2.205 37.379 1.00 19.98 ATOM 410 CA LYS A 71 -7.003 -2.702 36.908 1.00 15.60 ATOM 411 CB LYS A 71 -7.123 -3.252 35.480 1.00 15.28 ATOM 412 CG LYS A 71 -8.200 -4.318 35.326 1.00 15.28 ATOM 413 CD LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 414 CE LYS A 71 -9.713 -5.448 33.703 1.00 27.04	ATOM	403	С	ARG	Α	69	-1	0.153	0.3	129	37.715	1.00	29.65
ATOM 405 N GLY A 70 -10.644 -1.040 38.113 1.00 23.99 ATOM 406 CA GLY A 70 -9.961 -1.818 39.143 1.00 19.86 ATOM 407 C GLY A 70 -8.590 -2.288 38.689 1.00 24.39 ATOM 408 O GLY A 70 -7.784 -2.734 39.521 1.00 22.56 ATOM 409 N LYS A 71 -8.301 -2.205 37.379 1.00 19.98 ATOM 410 CA LYS A 71 -7.003 -2.702 36.908 1.00 15.60 ATOM 411 CB LYS A 71 -7.123 -3.252 35.480 1.00 15.28 ATOM 412 CG LYS A 71 -8.200 -4.318 35.326 1.00 15.28 ATOM 413 CD LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 414 CE LYS A 71 -9.713 -5.448 33.703 1.00 27.04	ATOM	404	0			69	-9	9.113	0.6	504	38.189	1.00	40.10
ATOM 406 CA GLY A 70	ATOM	405	N	GLY	Α	70	-10	0.644	-1.0	040			
ATOM 407 C GLY A 70 -8.590 -2.288 38.689 1.00 24.39 ATOM 408 O GLY A 70 -7.784 -2.734 39.521 1.00 22.56 ATOM 409 N LYS A 71 -8.301 -2.205 37.379 1.00 19.98 ATOM 410 CA LYS A 71 -7.003 -2.702 36.908 1.00 15.60 ATOM 411 CB LYS A 71 -7.123 -3.252 35.480 1.00 18.68 ATOM 412 CG LYS A 71 -8.200 -4.318 35.326 1.00 15.28 ATOM 413 CD LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 414 CE LYS A 71 -9.713 -5.448 33.703 1.00 27.04	ATOM	406	CA	GLY	Α	70	- 9	9.961				1.00	
ATOM 408 O GLY A 70	ATOM	407	С			70	-8	3.590	-2.2	288			
ATOM 409 N LYS A 71 -8.301 -2.205 37.379 1.00 19.98 ATOM 410 CA LYS A 71 -7.003 -2.702 36.908 1.00 15.60 ATOM 411 CB LYS A 71 -7.123 -3.252 35.480 1.00 18.68 ATOM 412 CG LYS A 71 -8.200 -4.318 35.326 1.00 15.28 ATOM 413 CD LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 414 CE LYS A 71 -9.713 -5.448 33.703 1.00 27.04	ATOM	408	0	GLY	Α	70		7.784	-2.7	734			
ATOM 410 CA LYS A 71 -7.003 -2.702 36.908 1.00 15.60 ATOM 411 CB LYS A 71 -7.123 -3.252 35.480 1.00 18.68 ATOM 412 CG LYS A 71 -8.200 -4.318 35.326 1.00 15.28 ATOM 413 CD LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 414 CE LYS A 71 -9.713 -5.448 33.703 1.00 27.04	ATOM	409	N	LYS	Α	71	-8	3.301			37.379	1.00	19.98
ATOM 411 CB LYS A 71 -7.123 -3.252 35.480 1.00 18.68 ATOM 412 CG LYS A 71 -8.200 -4.318 35.326 1.00 15.28 ATOM 413 CD LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 414 CE LYS A 71 -9.713 -5.448 33.703 1.00 27.04													
ATOM 412 CG LYS A 71 -8.200 -4.318 35.326 1.00 15.28 ATOM 413 CD LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 414 CE LYS A 71 -9.713 -5.448 33.703 1.00 27.04													
ATOM 413 CD LYS A 71 -8.403 -4.675 33.855 1.00 15.32 ATOM 414 CE LYS A 71 -9.713 -5.448 33.703 1.00 27.04													
ATOM 414 CE LYS A 71 -9.713 -5.448 33.703 1.00 27.04			CD										
			NZ										

MOTA	416	С	LYS	Α	71	-	-5.890	-1.672	36.944		14.54
ATOM	417	0	LYS	Α	71	-	-4.752	-1.993	36.578	1.00	17.52
ATOM	418	N	ASN	Α	72	-	6.149	-0.439	37.371	1.00	11.96
ATOM	419	CA	ASN	Α	72	-	-5.101	0.568	37.479	1.00	11.74
MOTA	420	СВ	ASN	Α	72	-	-5.545	1.876	36.813	1.00	14.82
ATOM	421	CG	ASN		72		-5.837	1.654	35.339	1.00	23.46
MOTA	422		ASN		72		-5.007	1.128	34.599	1.00	16.09
ATOM	423		ASN		72		-7.025	2.057	34.903	1.00	21.08
ATOM	424	C	ASN		72		-4.753	0.835	38.937	1.00	16.08
ATOM	425	0	ASN		72		-5.647	1.079	39.741	1.00	18.28
ATOM	426	N	ARG		73		-3.471	0.788	39.258	1.00	12.51
	427	CA	ARG		73		-3.013	1.010	40.621	1.00	20.92
ATOM			ARG		73		-1.525	0.666	40.738	1.00	13.10
ATOM	428	CB			73 73		-0.989	0.829	42.148	1.00	9.31
ATOM	429	CG	ARG				0.454	0.359	42.272	1.00	11.98
ATOM	430	CD	ARG		73			-1.117	42.272	1.00	9.41
ATOM	431	NE	ARG		73		0.510			1.00	17.50
ATOM	432	CZ	ARG		73		0.265	-1.768	43.428		
ATOM	433	NH1	ARG		73	-	-0.024	-1.096	44.549	1.00	14.11
MOTA	434	NH2	ARG		73		0.330	-3.094	43.391	1.00	16.87
ATOM	435	С	ARG		73		-3.255	2.460	41.041	1.00	25.16
ATOM	436	0	ARG		73		-3.658	2.737	42.170	1.00	14.89
ATOM	437	N	TYR		74		-2.991	3.373	40.114	1.00	17.87
ATOM	438	CA	TYR		74		-3.209	4.806	40.336	1.00	15.26
ATOM	439	СВ	TYR	A	74		-1.887	5.539	40.348	1.00	18.93
ATOM	440	CG	TYR	Α	74	-	-0.898	5.054	41.388	1.00	19.16
MOTA	441	CD1	TYR	А	74		-1.081	5.313	42.735	1.00	22.07
ATOM	442	CE1	TYR	Α	74	-	-0.174	4.871	43.684	1.00	17.71
ATOM	443	CZ	TYR	Α	74		0.932	4.160	43.289	1.00	16.94
ATOM	444	OH	TYR	Α	74		1.851	3.713	44.213	1.00	16.65
ATOM	445	CE2	TYR	Α	74		1.139	3.891	41.947	1.00	20.51
ATOM	446	CD2	TYR	Α	74		0.225	4.337	41.009	1.00	14.89
ATOM	447	С	TYR	Α	74	-	-4.150	5.322	39.263	1.00	23.96
MOTA	448	0	TYR	Α	74	-	-3.994	5.065	38.065	1.00	19.22
ATOM	449	N	ASN	Α	75	-	-5.202	6.053	39.641	1.00	18.99
ATOM	450	CA	ASN		75	_	-6.220	6.288	38.610	1.00	23.42
ATOM	451	СВ	ASN		75		-7.557	6.585	39.296	1.00	34.45
ATOM	452	CG	ASN		75	_	-8.137	5.350	39.975	1.00	51.03
ATOM	453		ASN		75		-8.673	5.414	41.085	1.00	50.00
ATOM	454		ASN		75		-8.051	4.180	39.342	1.00	38.85
MOTA	455	С	ASN		75	_	-5.736	7.353	37.640	1.00	18.82
ATOM	456	0	ASN		75		-6.317	7.585	36.580		20.63
ATOM	457	N	ASN		76		-4.615	7.991	37.977		16.28
ATOM	458	CA	ASN		76		-4.105	9.045	37.110		19.45
ATOM	459	CB	ASN		76		-3.997	10.339	37.926		22.45
	460	CG	ASN		76		-2.980	10.295	39.044		33.59
ATOM	461		ASN		76		-2.679	9.257	39.636		26.17
ATOM	462		ASN		76 76		-2.431	11.474	39.344		29.60
ATOM							-2.431	8.692	36.465		17.17
ATOM	463	С	ASN		76 76		-2.761	9.532	35.917		17.91
ATOM	464	0	ASN		76				36.475		20.00
ATOM	465	N	ILE		77		-2.389	7.423	35.791		14.81
ATOM	466	CA	ILE		77		-1.171	6.992			11.59
MOTA	467	CB	ILE	A	77	-	-0.049	6.504	36.702	1.00	11.03

ATOM	468	CG1	ILE	Α	77	0.33				17.04
ATOM	469	CD1	ILE	Α	77	0.98	6 8.73	13 37.282	1.00	17.56
MOTA	470	CG2	ILE	Α	77	1.22	7 6.10	55 35.924	1.00	15.42
ATOM	471	С	ILE	Α	77	-1.61	7 5.83	35 34.878	1.00	16.96
MOTA	472	0	ILE	Α	77	-1.73	3 4.73	18 35.381	1.00	15.55
ATOM	473	N	LEU		78	-1.89	7 6.18		1.00	12.76
MOTA	474	CA	LEU		78	-2.53				10.94
ATOM	475	CB	LEU		78	-3.98				12.51
	476	CG	LEU		78	-4.88				19.43
ATOM			LEU		78	-6.23				22.19
MOTA	477					-5.08				24.35
ATOM	478		LEU		78 70					17.94
MOTA	479	C	LEU		78	-1.72				16.73
ATOM	480	0	LEU		78	-1.09				
ATOM	481	N	PRO		79	-1.71				19.09
ATOM	482	CA	PRO		79	-0.92				16.12
ATOM	483	CB	PRO		79	-0.87				9.23
MOTA	484	CG	PRO		79	-2.20				11.75
ATOM	485	CD	PRO	Α	79	-2.41				15.77
MOTA	486	С	PRO	Α	79	-1.65	5 4.79			15.99
ATOM	487	0	PRO	Α	79	-2.89	3 4.82	28 28.388	1.00	15.25
ATOM	488	N	TYR	Α	80	-0.92	6 5.30	52 27.389	1.00	10.13
ATOM	489	CA	TYR	Α	80	-1.50	2 5.99	93 26.206	1.00	11.18
ATOM	490	CB	TYR	Α	80	-0.45	1 6.7	54 25.423	1.00	13.27
ATOM	491	CG	TYR		80	0.14	6 7.95	59 26.117	1.00	12.63
ATOM	492	CD1	TYR		80	-0.69		26.685	1.00	18.08
ATOM	493	CE1	TYR		80	-0.17				20.03
ATOM	494	CZ	TYR		80	1.18				16.07
ATOM	495	OH	TYR		80	1.68				21.65
ATOM	496	CE2	TYR		80	2.05				13.46
ATOM	497	CD2	TYR		80	1.50				14.05
ATOM	498	C	TYR		80	-2.10				18.00
ATOM	499	0	TYR		80	-1.56				15.44
	500	N	ASP		81	-3.22				15.66
ATOM					81	-3.84				18.95
ATOM	501	CA	ASP ASP			-5.18				21.06
ATOM	502	CB			81					23.24
ATOM	503	CG	ASP		81	-6.21				20.28
ATOM	504	OD1			81	-6.32				21.10
MOTA	505		ASP		81	-6.94				19.22
ATOM	506	C	ASP		81	-2.91				
MOTA	507	0	ASP		81	-2.88				24.23
MOTA	508	N	ALA		82	-2.17				20.83
ATOM	509	CA	ALA	А	82	-1.32				21.56
ATOM	510	CB	ALA		82	-0.80				18.25
ATOM	511	С	ALA	Α	82	-0.17				17.70
MOTA	512	0	ALA	Α	82	0.34				24.59
ATOM	513	N	THR	Α	83	0.29	1 3.28			14.11
MOTA	514	CA	THR	Α	83	1.48	2 2.48	32 22.831	1.00	15.16
ATOM	515	CB	THR		83	2.66	3.3	49 23.283	1.00	26.72
ATOM	516	OG1			83	2.29		26 24.431	1.00	20.70
ATOM	517		THR		83	3.07				24.85
ATOM	518	C	THR		83	1.22				17.17
ATOM	519	Ō	THR		83	2.16			1.00	17.29
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ATOM 520 N ARG 8 -0.030 1.226 24.310 1.00 14.78 ATOM 521 CA ARG 8 -0.0304 0.265 25.377 1.00 16.16 ATOM 522 CB ARG A 84 -0.201 24.841 1.00 12.30 ATOM 525 NE ARG A 84 -2.824 -0.021 24.841 1.00 12.30 ATOM 525 NE ARG A 84 -5.556 -1.657 24.975 1.00 18.67 ATOM 528 NH2 ARG A 4 -5.570 -2.421 25.745 1.00 18.67 ATOM 530 O ARG A 4 -0.053 -1.498 23.748 1.00 16.47 ATOM 531 N VAL A 85 0.511 -3.453 25.571 1.00 1.654 ATOM <th< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></th<>										
ATOM 522 CB ARG A 84	ATOM	520	N	ARG	Α	84	-0.030	1.226	24.310	1.00 14.78
ATOM 523 CG ARG A 84	ATOM	521	CA	ARG	Α	84	-0.304	0.265	25.377	1.00 14.16
ATOM 523 CG ARG A 84 -2.824 -0.021 24.841 1.00 12.30 ATOM 525 NE ARG A 84 -4.206 0.035 25.483 1.00 18.81 ATOM 526 CZ ARG A 84 -5.231 -0.504 24.587 1.00 18.67 ATOM 526 CZ ARG A 84 -5.856 -1.657 24.745 1.00 25.65 ATOM 527 NH1 ARG A 84 -5.856 -1.657 24.745 1.00 25.65 ATOM 528 NH2 ARG A 84 -6.769 -2.038 23.856 1.00 23.18 ATOM 529 C ARG A 84 -0.002 -1.164 24.926 1.00 19.54 ATOM 530 O ARG A 84 -0.002 -1.164 24.926 1.00 19.54 ATOM 531 N VAL A 85 0.340 -2.027 25.871 1.00 14.56 ATOM 532 CA VAL A 85 0.340 -2.027 25.871 1.00 14.56 ATOM 533 CB VAL A 85 0.511 -3.453 25.593 1.00 15.91 ATOM 533 CB VAL A 85 1.516 -4.099 26.552 1.00 9.66 ATOM 535 CG2 VAL A 85 1.595 -5.605 26.279 1.00 26.22 ATOM 536 C VAL A 85 -0.824 -4.164 25.708 1.00 18.09 ATOM 537 O VAL A 85 -0.824 -4.164 25.708 1.00 18.09 ATOM 539 CA LYS A 86 -1.170 -4.991 24.713 1.00 17.84 ATOM 539 CA LYS A 86 -2.481 -5.634 24.797 1.00 16.55 ATOM 540 CB LYS A 86 -3.270 -5.448 23.499 1.00 22.98 ATOM 540 CB LYS A 86 -3.353 -4.027 22.972 1.00 22.93 ATOM 541 CG LYS A 86 -3.353 -4.027 22.972 1.00 22.93 ATOM 543 CC LYS A 86 -3.353 -4.027 22.972 1.00 22.93 ATOM 540 CB LYS A 86 -3.353 -4.027 22.972 1.00 25.37 ATOM 540 CB LYS A 86 -3.353 -4.027 22.972 1.00 25.37 ATOM 540 CB LYS A 86 -3.353 -4.027 22.972 1.00 25.37 ATOM 540 CB LYS A 86 -3.353 -4.027 22.972 1.00 25.37 ATOM 540 CB LYS A 86 -3.353 -4.027 22.972 1.00 25.37 ATOM 540 CB LYS A 86 -7.170 -4.991 24.713 1.00 17.85 ATOM 540 CB LYS A 86 -3.373 -4.027 22.972 1.00 22.98 ATOM 541 CG LYS A 86 -3.373 -4.027 22.972 1.00 22.98 ATOM 543 CC LYS A 86 -7.170 -2.910 22.972 1.00 22.98 ATOM 540 CB LYS A 86 -3.373 -4.027 22.972 1.00 22.98 ATOM 540 CB LYS A 86 -7.170 -7.910 24.491 1.00 16.55 ATOM 540 CB LYS A 86 -7.170 -7.910 24.491 1.00 16.55 ATOM 540 CB LYS A 86 -7.170 -7.910 24.491 1.00 17.84 ATOM 545 C LYS A 86 -7.170 -7.910 24.491 1.00 17.85 ATOM 556 C A SER A 88 -4.153 -1.156 29.057 1.00 19.55 ATOM 557 CB SER A 88 -4.152 -1.110 29.910 1.00 19.55 ATOM 558 OG SER A 88 -4.155 -1.1112 25.374 1.00 35.93 ATOM 556 OD SER A 88 -4.155 -1.133 22.80	ATOM	522	CB	ARG	A	84	-1.752	0.389	25.832	1.00 16.16
ATOM 524 CD ARG A 84 -4.206 0.035 25.483 1.00 18.81 ATOM 526 CZ ARG A 84 -5.856 -1.657 24.745 1.00 25.65 ATOM 527 NH1 ARG A 84 -5.856 -1.657 24.745 1.00 25.65 ATOM 528 NH2 ARG A 84 -5.570 -2.421 25.794 1.00 18.24 ATOM 529 C ARG A 84 -6.769 -2.038 23.856 1.00 18.24 ATOM 530 O ARG A 84 -0.002 -1.164 24.926 1.00 19.54 ATOM 531 N VAL A 85 0.340 -2.027 25.871 1.00 16.47 ATOM 531 N VAL A 85 0.340 -2.027 25.871 1.00 16.47 ATOM 533 CB VAL A 85 0.511 -3.453 25.593 1.00 15.91 ATOM 533 CB VAL A 85 1.516 -4.099 26.552 1.00 9.66 ATOM 534 CGI VAL A 85 1.595 -5.605 26.279 1.00 26.22 ATOM 535 CG2 VAL A 85 -0.824 -4.164 25.708 1.00 18.35 ATOM 537 O VAL A 85 -0.824 -4.164 25.708 1.00 18.35 ATOM 538 N LYS A 86 -1.170 -4.991 24.713 1.00 17.84 ATOM 539 CA LYS A 86 -1.170 -4.991 24.713 1.00 17.84 ATOM 540 CB LYS A 86 -3.353 -4.027 22.972 1.00 25.37 ATOM 541 CG LYS A 86 -3.270 -5.448 23.499 1.00 22.98 ATOM 541 CG LYS A 86 -3.270 -5.448 23.499 1.00 22.98 ATOM 541 CG LYS A 86 -3.270 -5.448 23.499 1.00 22.98 ATOM 542 CD LYS A 86 -4.302 -2.569 21.152 1.00 41.61 ATOM 548 CA LYS A 86 -7.373 -4.027 22.972 1.00 25.37 ATOM 540 CB LYS A 86 -7.373 -7.800 24.495 1.00 35.98 ATOM 541 CG LYS A 86 -7.373 -7.800 24.495 1.00 17.71 ATOM 542 CD LYS A 86 -7.373 -7.800 24.495 1.00 26.73 ATOM 548 CA LEU A 87 -3.386 -9.070 26.157 1.00 21.87 ATOM 540 CB LYS A 86 -7.473 -7.180 25.073 1.00 17.71 ATOM 540 CB LEU A 87 -3.386 -9.070 26.157 1.00 21.87 ATOM 551 CDI LEU A 87 -3.386 -9.070 26.157 1.00 21.87 ATOM 552 CD LEU A 87 -4.108 -9.340 27.477 1.00 22.567 ATOM 553 CR SER A 88 -4.194 -9.13 23.518 1.00 35.98 ATOM 555 CG LEU A 87 -4.108 -9.340 27.477 1.00 22.567 ATOM 556 CA SER A 88 -4.153 -13.103 23.509 1.00 45.96 ATOM 557 CB SER A 88 -4.152 -11.122 5.374 1.00 33.41 ATOM 556 CA SER A 88 -4.153 -13.1303 23.509 1.00 45.96 ATOM 557 CB SER A 88 -4.152 -11.122 5.374 1.00 39.54 ATOM 568 CB ASN A 89 -8.475 -1.100 20.929 1.00 43.44 ATOM 568 CB ASN A 89 -8.475 -1.100 20.929 1.00 40.93 ATOM 567 C ASN A 89 -9.467 -11.850 23.621 1.00 99.50 ATOM 568 O ASN A 89 -9.457 -11.180 2	ATOM	523	CG	ARG	Α	84	-2.824	-0.021	24.841	1.00 12.30
ATOM 526 CZ ARG A 84			CD	ARG	Α	84	-4.206	0.035	25.483	1.00 18.81
ATOM 526 CZ ARG A 84										1.00 18.67
ATOM 527 NH1 ARG A 84										
ATOM 529 NH2 ARG A 84										
ATOM 529 C ARG A 84										
ATOM 530 O ARG A 84 -0.053 -1.498 23.748 1.00 16.47 ATOM 531 N VAL A 85 0.340 -2.027 25.871 1.00 14.57 ATOM 532 CA VAL A 85 0.340 -2.027 25.871 1.00 14.59 ATOM 533 CB VAL A 85 0.511 -3.453 25.593 1.00 15.91 ATOM 533 CB VAL A 85 1.516 -4.099 26.552 1.00 9.66 ATOM 534 CG1 VAL A 85 1.596 -5.605 26.279 1.00 26.22 ATOM 535 CG2 VAL A 85 2.900 -3.489 26.419 1.00 8.35 ATOM 536 C VAL A 85 -0.824 -4.164 25.708 1.00 18.09 ATOM 537 O VAL A 85 -0.824 -4.164 25.708 1.00 17.84 ATOM 538 N LYS A 86 -1.170 -4.991 24.713 1.00 17.84 ATOM 539 CA LYS A 86 -2.481 -5.634 24.797 1.00 16.55 ATOM 540 CB LYS A 86 -3.270 -5.448 23.499 1.00 22.98 ATOM 541 CG LYS A 86 -3.353 -4.027 22.972 1.00 25.37 ATOM 541 CG LYS A 86 -4.093 -3.996 21.641 1.00 35.98 ATOM 542 CD LYS A 86 -4.093 -3.996 21.641 1.00 35.98 ATOM 543 CE LYS A 86 -5.067 -2.535 19.870 1.00 41.61 ATOM 544 NZ LYS A 86 -2.354 -7.130 25.073 1.00 41.61 ATOM 545 C LYS A 86 -2.354 -7.130 25.073 1.00 41.47 ATOM 545 C LYS A 86 -2.354 -7.130 25.073 1.00 41.47 ATOM 545 C LYS A 86 -1.473 -7.780 24.495 1.00 26.73 ATOM 547 N LEU A 87 -3.238 -7.641 25.909 1.00 16.65 ATOM 550 CG LEU A 87 -3.386 -9.070 26.157 1.00 21.56 ATOM 551 CD1 LEU A 87 -3.386 -9.070 26.157 1.00 21.56 ATOM 552 CD2 LEU A 87 -4.108 -9.340 27.477 1.00 21.56 ATOM 555 C CD2 LEU A 87 -4.108 -9.340 27.477 1.00 21.56 ATOM 555 C CD2 LEU A 87 -4.108 -9.340 27.477 1.00 21.56 ATOM 555 C CD2 LEU A 87 -4.108 -9.340 27.477 1.00 21.56 ATOM 555 C CD2 LEU A 87 -4.108 -9.340 27.477 1.00 21.56 ATOM 555 C CD2 LEU A 87 -4.108 -9.340 27.477 1.00 21.56 ATOM 555 C CD2 LEU A 87 -4.108 -9.340 27.477 1.00 21.56 ATOM 556 CA SER A 88 -4.153 -13.103 23.509 1.00 34.42 ATOM 556 CA SER A 88 -4.153 -13.103 23.509 1.00 34.59 ATOM 556 CA SER A 88 -4.153 -13.103 23.509 1.00 35.93 ATOM 556 CA SER A 88 -4.153 -13.103 23.509 1.00 35.93 ATOM 566 ND2 ASN A 89 -9.457 -11.372 25.374 1.00 35.93 ATOM 566 ND2 ASN A 89 -9.457 -11.372 25.374 1.00 35.93 ATOM 566 ND2 ASN A 89 -9.457 -11.375 23.251 1.00 34.26 ATOM 566 ND2 ASN A 89 -8.837 -11.659 20.847 1.00109.77 ATOM 568 O ASN										
ATOM 531 N VAL A 85										
ATOM 532 CA VAL A 85										
ATOM 533 CB VAL A 85										
ATOM										
ATOM 535 CG2 VAL A 85										
ATOM 536 C VAL A 85										
ATOM 537 O VAL A 85										
ATOM 538 N LYS A 86			С							
ATOM 539 CA LYS A 86	ATOM		0							
ATOM 540 CB LYS A 86	MOTA		N			86				
ATOM 541 CG LYS A 86	MOTA	539	CA	LYS	Α	86		-5.634		
ATOM 542 CD LYS A 86	ATOM	540	CB	LYS	Α	86	- 3.270	-5.448	23.499	
ATOM 543 CE LYS A 86	ATOM	541	CG	LYS	Α	86	-3.353	-4.027	22.972	1.00 25.37
ATOM 544 NZ LYS A 86	ATOM	542	CD	LYS	A	86	-4.093	-3.996	21.641	1.00 35.98
ATOM 545 C LYS A 86	ATOM	543	CE	LYS	Α	86	-4.302	-2.569	21.152	1.00 41.61
ATOM 545 C LYS A 86	ATOM	544	NZ	LYS	Α	86	-5.067	-2.535	19.870	1.00 41.47
ATOM 546 O LYS A 86		545	С	LYS	A	86	-2.354	-7.130	25.073	1.00 17.71
ATOM 548 CA LEU A 87			0	LYS	А				24.495	1.00 26.73
ATOM 548 CA LEU A 87			N					-7.641	25.909	1.00 16.65
ATOM 549 CB LEU A 87										
ATOM 550 CG LEU A 87										
ATOM 551 CD1 LEU A 87										1.00 19.45
ATOM 552 CD2 LEU A 87										
ATOM 553 C LEU A 87										
ATOM 554 O LEU A 87 -5.103 -9.087 24.480 1.00 29.92 ATOM 555 N SER A 88 -3.906 -10.961 24.684 1.00 39.81 ATOM 556 CA SER A 88 -4.712 -11.686 23.715 1.00 42.02 ATOM 557 CB SER A 88 -4.153 -13.103 23.509 1.00 45.96 ATOM 558 OG SER A 88 -4.499 -13.843 24.684 1.00 44.96 ATOM 559 C SER A 88 -6.154 -11.853 24.182 1.00 39.54 ATOM 560 O SER A 88 -6.425 -11.712 25.374 1.00 35.93 ATOM 561 N ASN A 89 -7.041 -12.175 23.251 1.00 58.52 ATOM 562 CA ASN A 89 -8.435 -12.501 23.518 1.00 76.46 ATOM 563 CB ASN A 89 -9.366 -11.396 23.017 1.00 82.65 ATOM 564 CG ASN A 89 -9.457 -11.372 21.501 1.00 93.50 ATOM 565 OD1 ASN A 89 -9.457 -11.372 21.501 1.00 93.50 ATOM 566 ND2 ASN A 89 -8.337 -11.659 20.847 1.00109.77 ATOM 567 C ASN A 89 -8.337 -11.659 20.847 1.00109.77 ATOM 568 O ASN A 89 -8.533 -14.011 21.671 1.00 92.19 ATOM 569 N VAL A 90 -9.407 -14.736 23.621 1.00 99.23 ATOM 570 CA VAL A 90 -9.793 -16.059 23.144 1.00106.42										
ATOM 555 N SER A 88 -3.906 -10.961 24.684 1.00 39.81 ATOM 556 CA SER A 88 -4.712 -11.686 23.715 1.00 42.02 ATOM 557 CB SER A 88 -4.153 -13.103 23.509 1.00 45.96 ATOM 558 OG SER A 88 -4.499 -13.843 24.684 1.00 44.96 ATOM 559 C SER A 88 -6.154 -11.853 24.182 1.00 39.54 ATOM 560 O SER A 88 -6.425 -11.712 25.374 1.00 35.93 ATOM 561 N ASN A 89 -7.041 -12.175 23.251 1.00 58.52 ATOM 562 CA ASN A 89 -8.435 -12.501 23.518 1.00 76.46 ATOM 563 CB ASN A 89 -9.366 -11.396 23.017 1.00 82.65 ATOM 564 CG ASN A 89 -9.457 -11.372 21.501 1.00 93.50 ATOM 565 OD1 ASN A 89 -9.457 -11.372 21.501 1.00 93.50 ATOM 566 ND2 ASN A 89 -8.337 -11.659 20.847 1.00109.77 ATOM 567 C ASN A 89 -8.337 -11.659 20.847 1.00109.77 ATOM 568 O ASN A 89 -8.533 -14.011 21.671 1.00 92.19 ATOM 569 N VAL A 90 -9.407 -14.736 23.621 1.00 99.23 ATOM 570 CA VAL A 90 -9.793 -16.059 23.144 1.00106.42										
ATOM 556 CA SER A 88			_							
ATOM 557 CB SER A 88 -4.153 -13.103 23.509 1.00 45.96 ATOM 558 OG SER A 88 -4.499 -13.843 24.684 1.00 44.96 ATOM 559 C SER A 88 -6.154 -11.853 24.182 1.00 39.54 ATOM 560 O SER A 88 -6.425 -11.712 25.374 1.00 35.93 ATOM 561 N ASN A 89 -7.041 -12.175 23.251 1.00 58.52 ATOM 562 CA ASN A 89 -8.435 -12.501 23.518 1.00 76.46 ATOM 563 CB ASN A 89 -9.366 -11.396 23.017 1.00 82.65 ATOM 564 CG ASN A 89 -9.457 -11.372 21.501 1.00 93.50 ATOM 565 OD1 ASN A 89 -9.457 -11.372 21.501 1.00 93.50 ATOM 566 ND2 ASN A 89 -8.337 -11.659 20.847 1.00109.77 ATOM 567 C ASN A 89 -8.337 -11.659 20.847 1.00109.77 ATOM 568 O ASN A 89 -8.533 -14.011 21.671 1.00 92.19 ATOM 569 N VAL A 90 -9.407 -14.736 23.621 1.00 99.23 ATOM 570 CA VAL A 90 -9.793 -16.059 23.144 1.00106.42										
ATOM 558 OG SER A 88										
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ATOM 570 CA VAL A 90 -9.793 -16.059 23.144 1.00106.42	ATOM	569	N	VAL	A	90	-9.407	-14.736		
			CA	VAL	Α	90	-9.793	-16.059	23.144	1.00106.42
			CB	VAL	Α	90	-8.923	-17.172	23.760	1.00106.95

ATOM	572	CG1	VAL	Α	90	-9.298	-18.525	23.172	1.00112.12
ATOM	573	CG2	VAL	A	90	-7.444	-16.892	23.548	1.00105.34
ATOM	574	С	VAL	Α	90	-11.258	-16.369	23.451	1.00111.33
ATOM	575	0	VAL	A	90	-12.138	-16.117	22.628	1.00105.84
MOTA	576	N	ASP	Α	91	-11.510	-16.921	24.632	1.00119.26
ATOM	577	CA	ASP	Α	91	-12.855	-17.239	25.095	1.00128.16
MOTA	578	СВ	ASP	Α	91	-12.828	-18.448	26.031	1.00125.07
ATOM	579	CG	ASP	Α	91	-14.191	-18.774	26.609	1.00121.16
ATOM	580		ASP	Α	91	-15.007	-19.377	25.880	1.00104.75
ATOM	581		ASP		91	-14.447	-18.433	27.785	1.00117.18
ATOM	582	С	ASP		91	-13.482	-16.042	25.807	1.00139.13
ATOM	583	0	ASP		91	-13.028	-15.676	26.894	1.00148.32
ATOM	584	N	ASP		92	-14.503	-15.447	25.202	1.00145.93
ATOM	585	CA	ASP		92	-15.147	-14.241	25.726	1.00149.70
ATOM	586	СВ	ASP		92	-15.415	-14.375	27.225	1.00149.57
ATOM	587	CG	ASP		92	-16.361	-15.502	27.584	1.00147.36
ATOM	588	OD1			92	-17.567		27.781	1.00137.75
ATOM	589		ASP		92		-16.665	27.677	1.00148.40
ATOM	590	C	ASP		92		-13.021	25.419	1.00150.50
ATOM	591	Ō	ASP		92		-12.934	25.892	1.00155.89
ATOM	592	N		A	93	-14.778		24.620	1.00148.19
ATOM	593	CA		Α	93		-10.998	24.173	1.00145.42
ATOM	594	СВ	ASP		93	-13.545	-11.222	22.687	1.00146.89
ATOM	595	CG	ASP		93		-11.594	21.844	1.00147.24
ATOM	596	OD1			93	-15.278	-12.710	22.011	1.00141.98
MOTA	597		ASP		93		-10.772	21.001	1.00148.93
ATOM	598	C	ASP		93	-14.404	-9.578	24.346	1.00140.50
ATOM	599	0	ASP		93	-14.742	-8.922	23.357	1.00135.04
ATOM	600	N	PRO		94	-14.451	-9.070	25.570	1.00137.75
ATOM	601	CA	PRO		94	-14.684	-7.638	25.812	1.00134.16
ATOM	602	CB	PRO		94	-15.340	-7.646	27.190	1.00136.91
ATOM	603	CG	PRO		94	-14.801	-8.848	27.882	1.00138.06
MOTA	604	CD	PRO		94	-14.305	-9.803	26.837	1.00139.01
ATOM	605	C	PRO		94	-13.363	-6.879	25.830	1.00126.58
ATOM	606	0	PRO		94	-12.437	-7.253	25.099	1.00132.66
ATOM	607	N	CYS		95	-13.220	-5.827	26.639	1.00114.33
ATOM	608	CA	CYS		95	-11.898	-5.198	26.765	1.00 95.06
ATOM	609	СВ	CYS		95	-11.947	-3.690	26.961	1.00 97.01
ATOM	610	SG	CYS		95	-10.323	-2.901	27.121	1.00 74.50
MOTA	611	C	CYS	_	95	-11.146	-5.872	27.913	1.00 71.83
ATOM	612	Ö	CYS		95	-10.629		28.870	1.00 58.75
ATOM	613	N	SER		96	-11.089		27.759	1.00 54.83
ATOM	614	CA	SER		96	-10.254	-8.038	28.595	1.00 46.09
ATOM	615	СВ	SER		96	-10.848	-9.437	28.720	1.00 49.86
MOTA	616	OG	SER		96		-10.147	27.491	1.00 47.97
ATOM	617	C	SER		96	-8.854	-8.076	27.988	1.00 31.56
MOTA	618	0	SER		96	-8.045	-8.933	28.321	1.00 30.50
ATOM	619	N	ASP		97	-8.562	-7.129	27.085	1.00 25.83
ATOM	620	CA	ASP		97	-7.233	-7.050	26.495	1.00 17.26
ATOM	621	CB	ASP		97	-7.317	-6.646	25.029	1.00 22.22
ATOM	622	CG	ASP		97	-7.590	-5.179	24.772	1.00 32.54
ATOM	623		ASP		97	-7.945	-4.404	25.681	1.00 25.44
. 1 1 0 6 1	020							-	

MOTA	624	OD2	ASP	Α	97	-7.44	4	-4.765	23.600	1.00 44.31
ATOM	625	С	ASP	Α	97	-6.35	7	-6.065	27.271	1.00 18.88
ATOM	626	0	ASP	Α	97	-5.19	4	-5.883	26.902	1.00 18.89
ATOM	627	N	TYR	Α	98	-6.94	7	-5.456	28.296	1.00 20.04
MOTA	628	CA	TYR	Α	98	-6.313	3	-4.338	28.976	1.00 18.41
ATOM	629	CB	TYR	Α	98	-7.36	6	-3.378	29.609	1.00 18.59
ATOM	630	CG	TYR	Α	98	-6.63		-2.221	30.288	1.00 20.03
ATOM	631	CD1	TYR	Α	98	-6.043		-1.216	29.522	1.00 16.83
ATOM	632	CE1	TYR	Α	98	-5.363		-0.144	30.090	1.00 13.49
ATOM	633	CZ	TYR		98	-5.276		-0.116	31.471	1.00 19.51
ATOM	634	ОН	TYR			-4.624		0.908	32.106	1.00 14.09
ATOM	635	CE2			98	-5.846		-1.095	32.255	1.00 13.64
ATOM	636	CD2			98	-6.528		-2.145	31.673	1.00 17.45
ATOM	637	С	TYR		98	-5.343		-4.746	30.066	1.00 18.17
ATOM	638	0	TYR		98	-5.664		-5.449	31.020	1.00 22.86
ATOM	639	N	ILE		99	-4.130		-4.218	29.989	1.00 14.66
ATOM	640	CA	ILE		99	-3.274		-4.175	31.172	1.00 17.87
ATOM	641	СВ	ILE		99	-2.221		-5.290	31.223	1.00 17.34
ATOM	642	CG1	ILE		99	-1.274		-5.190	32.428	1.00 13.76
ATOM	643	CD1	ILE		99	-0.492		-6.481	32.633	1.00 14.80
ATOM	644	CG2	ILE		99	-1.443		-5.348	29.924	1.00 15.59
ATOM	645	C	ILE		99	-2.594		-2.807	31.227	1.00 13.33
ATOM	646	0	ILE		99	-2.353		-2.191	30.183	1.00 14.20
ATOM	647	N	ASN			-2.315		-2.334	32.435	1.00 10.44
ATOM	648	CA	ASN			-1.609		-1.054	32.562	1.00 14.00
ATOM	649	CB	ASN			-1.818		-0.440	33.951	1.00 12.04
ATOM	650	CG	ASN		100	-1.326		0.997	33.976	1.00 11.20
ATOM	651		ASN		100	-0.260		1.278	33.456	1.00 13.09
ATOM	652		ASN			-2.099		1.903	34.579	1.00 15.15
ATOM	653	C	ASN			-0.134		-1.242	32.244	1.00 10.03
ATOM	654	Ö	ASN			0.698		-1.477	33.119	1.00 10.05
ATOM	655	N	ALA			0.193		-1.152	30.946	1.00 10.66
ATOM	656	CA	ALA			1.550		-1.361	30.488	1.00 10.00
ATOM	657	CB	ALA			1.839		-2.863	30.397	1.00 13.80
ATOM	658	C	ALA			1.777		-0.712	29.125	1.00 13.00
ATOM	659	0	ALA			0.809		-0.539	28.394	1.00 0.83
ATOM	660	N	SER			3.026		-0.393	28.829	1.00 12.00
ATOM	661	CA	SER			3.389		0.362	27.641	1.00 9.92
ATOM	662	CB	SER			3.650		1.831	28.010	1.00 14.73
ATOM	663	OG	SER			2.561			28.691	
ATOM	664	C	SER			4.644		2.407 -0.211		1.00 11.12 1.00 15.69
ATOM	665	0	SER			5.563		-0.211	26.986	1.00 13.69
ATOM	666	N	TYR						27.686	
	667					4.680		-0.176	25.652	1.00 9.06
ATOM		CA	TYR			5.889		-0.530	24.933	1.00 9.07
ATOM	668 669	CB	TYR			5.549		-0.917	23.486	1.00 9.50
ATOM	669	CG CD1	TYR			4.870		-2.239	23.265	1.00 12.57
MOTA	670 671	CD1	TYR			5.544		-3.435	23.487	1.00 12.90
ATOM	671	CE1	TYR			4.895		-4.640	23.272	1.00 20.46
ATOM	672	CZ	TYR .			3.592		-4.680	22.839	1.00 22.70
ATOM	673	OH	TYR .			2.962		-5.894	22.627	1.00 18.14
ATOM	674		TYR .			2.903		-3.500	22.608	1.00 18.79
MOTA	675	CD2	TYR .	A	103	3.551		-2.304	22.825	1.00 15.94

FIGURE 115

ATOM	676	С	TYR			6.867	0.630	24.891		18.09
MOTA	677	0	TYR			6.457	1.768	24.641	1.00	20.48
ATOM	678	N	ILE			8.155	0.358	25.111		15.21
ATOM	679	CA	ILE	Α	104	9.108	1.466	25.121		15.90
MOTA	680	CB	ILE	A	104	9.608	1.785	26.545		22.38
ATOM	681	CG1	ILE	Α	104	8.496	1.941	27.585		20.69
ATOM	682	CD1	ILE	Α	104	7.599	3.126	27.276		17.88
MOTA	683	CG2	ILE	Α	104	10.476	3.034	26.538		22.81
ATOM	684	С	ILE	Α	104	10.309	1.146	24.243	1.00	17.74
ATOM	685	0	ILE	Α	104	10.911	0.086	24.357	1.00	16.43
MOTA	686	N	PRO	Α	105	10.677	2.062	23.352	1.00	17.30
ATOM	687	CA	PRO	Α	105	11.894	1.894	22.563	1.00	16.76
ATOM	688	СВ	PRO	Α	105	11.837	3.088	21.592	1.00	24.69
MOTA	689	CG	PRO	Α	105	10.418	3.563	21.626	1.00	25.93
ATOM	690	CD	PRO	Α	105	9.941	3.295	23.030	1.00	21.65
ATOM	691	С	PRO			13.174	2.007	23.372	1.00	21.81
MOTA	692	0	PRO			13.286	2.726	24.368	1.00	21.23
ATOM	693	N	GLY			14.205	1.282	22.935	1.00	17.97
ATOM	694	CA	GLY			15.504	1.436	23.569	1.00	16.53
ATOM	695	С	GLY			16.557	1.885	22.578	1.00	24.48
ATOM	696	0	GLY			16.248	2.474	21.543	1.00	24.56
ATOM	697	N	ASN			17.824	1.595	22.858		24.62
ATOM	698	CA	ASN			18.889	2.049	21.971	1.00	31.26
ATOM	699	СВ	ASN			20.249	1.899	22.661	1.00	38.05
ATOM	700	CG	ASN			20.775	3.221	23.184	1.00	50.06
ATOM	701		ASN			20.008	4.143	23.476	1.00	66.78
ATOM	702		ASN			22.094	3.313	23.301		52.90
ATOM	703	C	ASN			18.917	1.269	20.663		30.81
ATOM	704	0	ASN			19.482	1.767	19.693		28.48
ATOM	705	N	ASN			18.329	0.080	20.679	1.00	32.22
ATOM	706	CA	ASN			18.512	-0.922	19.640		32.10
ATOM	707	CB	ASN			19.098	-2.184	20.305		37.07
ATOM	708	CG	ASN			20.233	-1.830	21.251		46.06
MOTA	709		ASN			21.309	-1.443	20.780		27.30
ATOM	710		ASN		108	20.005	-1.966	22.559		28.03
ATOM	711	C	ASN			17.262	-1.291	18.863	1.00	
ATOM	712	0	ASN			17.392	-1.721	17.708		34.88
ATOM	713	N	PHE			16.060	-1.168	19.423	1.00	25.20
ATOM	714	CA	PHE			14.840	-1.500	18.690		22.97
MOTA	715	CB	PHE			14.603	-2.993	18.522		22.47
ATOM	716	CG	PHE			14.885	-3.951	19.661		28.29
	717		PHE			13.849	-4.560	20.357		24.27
ATOM			PHE			14.113	-5.455	21.391		22.67
MOTA	718	CZ	PHE			15.414	-5.748	21.750		19.40
ATOM	719						-5.143	21.750		34.44
ATOM	720		PHE			16.451 16.183	-4.259	20.033		33.01
MOTA	721		PHE				-4.259	19.383		19.13
ATOM	722	C	PHE			13.620		20.559		20.41
ATOM	723	0	PHE			13.686	-0.531 -0.797	18.641		16.32
ATOM	724	N	ARG			12.538	-0.787			
ATOM	725	CA	ARG			11.318	-0.110	19.048		23.52
ATOM	726	CB	ARG			10.342	-0.036	17.853		22.40
ATOM	727	CG	ARG	Α	110	10.918	0.753	16.688	1.00	29.99

MOTA	728	ÇD	ARG A	110	9.987	1.901	16.317	1.00 44.00
MOTA	729	NE	ARG A	110	10.461	3.122	16.971	1.00 64.93
MOTA	730	CZ	ARG A	110	10.694	4.269	16.352	1.00 72.68
MOTA	731	NH1	ARG A	110	10.494	4.368	15.044	1.00 62.39
ATOM	732	NH2	ARG A	110	11.125	5.318	17.045	1.00 82.09
ATOM	733	С	ARG A		10.607	-0.783	20.197	1.00 28.20
ATOM	734	0	ARG A	110	9.959	-0.177	21.052	1.00 29.57
ATOM	735	N	ARG A		10.665	-2.120	20.269	1.00 19.46
ATOM	736	CA	ARG A		9.868	-2.607	21.432	1.00 19.03
ATOM	737	СВ	ARG A		8.795	-3.563	20.962	1.00 15.07
ATOM	738	CG	ARG A		7.581	-2.905	20.332	1.00 22.11
ATOM	739	CD	ARG A		6.553	-3.962	19.940	1.00 34.64
ATOM	740	NE	ARG A		5.295	-3.339	19.524	1.00 34.04
ATOM	741	CZ	ARG A		4.166	-4.022	19.393	1.00 35.10
ATOM	742	NH1			4.172	-5.327	19.654	1.00 23.21
ATOM	743	NH2			3.074	-3.380	19.012	1.00 22.23
ATOM	744	C	ARG A		10.831	-3.241	22.417	1.00 32.73
ATOM	745	0	ARG A		10.720	-3.241 -4.425	22.417	1.00 17.42
ATOM	746	N	GLU A		11.800	-2.432	22.726	1.00 18.84
ATOM	747	CA	GLU A		12.900	-2.432		
ATOM	748	CB	GLU A		14.070	-2.996	23.629 23.581	1.00 13.99 1.00 15.59
ATOM	749	CG	GLU A					
ATOM	750	CD	GLU A		15.378	-2.703	23.860	1.00 21.33
ATOM	751				16.623	-2.023	23.352	1.00 27.40
	752	OE1	GLU A		17.658	-2.284	23.998	1.00 26.38
ATOM	753				16.619	-1.264	22.363	1.00 25.78
ATOM		C	GLU A		12.516	-3.334	25.062	1.00 18.95
ATOM	754	0	GLU A		13.022	-4.273	25.693	1.00 14.06
ATOM	755	N	TYR A		11.576	-2.551	25.570	1.00 17.52
ATOM	756	CA	TYR A		11.060	-2.731	26.911	1.00 15.61
ATOM	757	CB	TYR A		11.542	-1.629	27.858	1.00 17.96
ATOM	758 759	CG	TYR A		12.990	-1.237	27.756	1.00 14.87
MOTA		CD1	TYR A		13.405	-0.255	26.878	1.00 17.71
ATOM	760	CE1	TYR A		14.734	0.114	26.781	1.00 16.32
ATOM	761	CZ	TYR A		15.671	-0.495	27.574	1.00 15.65
MOTA	762	OH	TYR A		17.002	-0.145	27.493	1.00 18.69
ATOM	763	CE2	TYR A		15.289	-1.484	28.467	1.00 14.44
ATOM	764	CD2	TYR A		13.959	-1.844	28.553	1.00 14.04
ATOM	765	C	TYR A		9.551	-2.702	26.926	1.00 9.51
ATOM	766	0	TYR A		8.855	-2.122	26.096	1.00 11.17
ATOM	767	N	ILE A		9.031	-3.382	27.957	1.00 12.36
ATOM	768	CA	ILE A		7.655	-3.187	28.333	1.00 9.29
ATOM	769	СВ	ILE A		6.831	-4.487	28.322	1.00 13.67
ATOM	770	CG1	ILE A		6.425	-4.912	26.904	1.00 14.89
ATOM	771	CD1	ILE A		5.910	-6.337	26.844	1.00 15.51
ATOM	772	CG2	ILE A		5.623	-4.377	29.232	1.00 8.31
ATOM	773	C	ILE A		7.674	-2.598	29.746	1.00 16.23
ATOM	774	0	ILE A		8.249	-3.182	30.662	1.00 15.28
ATOM	775	N	VAL A		7.060	-1.438	29.910	1.00 14.17
ATOM	776	CA	VAL A		7.015	-0.801	31.225	1.00 15.15
ATOM	777	СВ	VAL A		7.294	0.710	31.084	1.00 20.35
ATOM	778		VAL A		6.761	1.465	32.288	1.00 29.43
ATOM	779	CG2	VAL A	115	8.792	0.932	30.901	1.00 19.15

ATOM	780	С	VAL A	115	5.645	-1.011	31.821	1.00 13.67
ATOM	781	0	VAL A	115	4.631	-0.945	31.114	1.00 12.23
ATOM	782	N	THR A	116	5.556	-1.291	33.122	1.00 13.19
ATOM	783	CA	THR A	116	4.208	-1.553	33.635	1.00 12.05
ATOM	784	CB	THR A	116	3.828	-3.042	33.478	1.00 14.77
ATOM	785	OG1			2.432	-3.257	33.750	1.00 13.69
MOTA	786	CG2			4.589	-3.936	34.458	1.00 17.06
ATOM	787	С	THR A		4.173	-1.057	35.072	1.00 9.33
ATOM	788	Ō	THR A		5.221	-0.780	35.652	1.00 8.64
ATOM	789	N	GLN A		2.982	-0.942	35.626	1.00 10.66
ATOM	790	CA	GLN A		2.843	-0.618	37.039	1.00 8.65
ATOM	791	CB	GLN A		1.384	-0.239	37.297	1.00 9.54
ATOM	792	CG	GLN A		0.384	-1.351	37.114	1.00 12.18
	793	CD	GLN A		-1.071	-1.010	37.307	1.00 12.10
ATOM	794	OE1			-1.506	0.143	37.307	1.00 13.39
ATOM								
ATOM	795	NE2			-1.918	-2.025	37.476	1.00 9.71
ATOM	796	С	GLN A		3.215	-1.826	37.895	1.00 11.64
ATOM	797	0	GLN A		3.347	-2.918	37.345	1.00 15.93
ATOM	798	N	GLY A		3.356	-1.703	39.207	1.00 11.16
ATOM	799	CA	GLY A		3.499	-2.903	40.060	1.00 10.85
ATOM	800	С	GLY A		2.157	-3.620	40.096	1.00 13.55
ATOM	801	0	GLY A		1.119	-3.034	40.400	1.00 15.26
ATOM	802	N	PRO A		2.148	-4.916	39.758	1.00 12.96
ATOM	803	CA	PRO A		0.901	- 5.678	39.674	1.00 9.13
MOTA	804	CB	PRO A		1.408	-7.119	39.531	1.00 18.59
ATOM	805	CG	PRO A		2.720	-6.964	38.824	1.00 19.31
ATOM	806	CD	PRO A	119	3.341	-5.706	39.396	1.00 15.37
ATOM	807	С	PRO A		0.079	-5.567	40.953	1.00 8.91
MOTA	808	0	PRO A	119	0.680	-5.487	42.027	1.00 19.14
ATOM	809	N	LEU A		-1.228	-5.555	40.787	1.00 13.32
ATOM	810	CA	LEU A		-2.126	-5.581	41.935	1.00 15.54
ATOM	811	CB	LEU A		-3.388	-4.787	41.631	1.00 19.85
MOTA	812	CG	LEU A	120	-3.158	-3.297	41.331	1.00 20.01
MOTA	813	CD1	LEU A	120	-4.225	-2.766	40.392	1.00 17.81
ATOM	814	CD2	LEU A	120	-3.135	-2.537	42.646	1.00 24.41
ATOM	815	С	LEU A	120	-2.481	-7.038	42.220	1.00 19.68
ATOM	816	0	LEU A	120	-2.257	-7.863	41.327	1.00 18.35
ATOM	817	N	PRO A	121	-3.030	-7.304	43.390	1.00 24.41
ATOM	818	CA	PRO A	121	-3.516	-8.674	43.666	1.00 25.78
MOTA	819	CB	PRO A	121	-4.280	-8.500	44.981	1.00 26.53
ATOM	820	CG	PRO A	121	-3.702	-7.283	45.633	1.00 23.83
ATOM	821	CD	PRO A		-3.243	-6.377	44.519	1.00 22.44
ATOM	822	С	PRO A	121	-4.419	-9.154	42.533	1.00 25.28
ATOM	823	0	PRO A			-10.302	42.074	1.00 26.89
ATOM	824	N	GLY A		-5.292	-8.281	42.027	1.00 28.95
ATOM	825	CA	GLY A		-6.226	-8.601	40.969	1.00 25.36
ATOM	826	C	GLY A		-5.706	-8.512	39.557	1.00 27.04
ATOM	827	Õ	GLY A		-6.422	-8.858	38.606	1.00 25.16
ATOM	828	N	THR A		-4.472	-8.062	39.322	1.00 18.42
ATOM	829	CA	THR A		-3.944	-8.084	37.954	1.00 10.42
ATOM	830	CB	THR A		-3.607	-6.662	37.448	1.00 17.40
ATOM	831		THR A		-2.539	-6.104	38.220	1.00 16.02
AION	0.2.1	091	THY H	123	-2.333	0.104	30.220	T.00 TO.4T

ATOM	832	CG2	THR			-4.828	-5.762	37.609	1.00 13.52
MOTA	833	С	THR	Α	123	-2.691	-8.924	37.831	1.00 15.59
ATOM	834	0	THR	Α	123	-2.040	-8.987	36.787	1.00 20.37
ATOM	835	N	LYS	Α	124	-2.242	-9.614	38.888	1.00 15.84
ATOM	836	CA	LYS			-0.996	-10.357	38.635	1.00 17.87
ATOM	837	СВ			124		-10.888	39.928	1.00 14.86
ATOM	838	CG			124		-11.701	40.840	1.00 15.78
ATOM	839	CD			124		-11.950	42.138	1.00 23.39
	840	CE			124		-12.535	43.232	1.00 25.01
ATOM		NZ			124		-12.822	44.422	1.00 30.58
ATOM	841						-12.622	37.639	1.00 30.30
MOTA	842	С	LYS					36.969	1.00 13.00
ATOM	843	0	LYS				-11.858		
MOTA	844	N			125		-12.084	37.537	1.00 16.39
MOTA	845	CA			125		-13.172	36.561	1.00 18.39
ATOM	846	CB			125		-13.887	36.710	1.00 25.32
MOTA	847	CG			125		-14.629	38.028	1.00 28.44
MOTA	848		ASP				-14.835	38.666	1.00 26.58
ATOM	849	OD2	ASP	Α	125	-5.108	-14.987	38.393	1.00 36.95
MOTA	850	С	ASP	Α	125	-2.397	-12.588	35.160	1.00 17.43
MOTA	851	0	ASP	Α	125	-1.848	-13.215	34.260	1.00 22.46
ATOM	852	N	ASP	Α	126	-2.906	-11.376	35.006	1.00 18.42
ATOM	853	CA			126	-2.740	-10.637	33.754	1.00 17.99
ATOM	854	СВ			126	-3.494	-9.310	33.841	1.00 20.62
ATOM	855	CG			126	-4.982	-9.448	34.061	1.00 38.88
ATOM	856		ASP				-10.322	33.434	1.00 37.14
ATOM	857		ASP			-5.512	-8.656	34.867	1.00 50.50
ATOM	858	C			126	-1.278	-10.346	33.451	1.00 19.58
	859	0			126		-10.451	32.338	1.00 19.76
ATOM			PHE			-0.558	-9.916	34.485	1.00 20.86
ATOM	860	N C7				0.860	-9.628	34.340	1.00 20.00
ATOM	861	CA			127				1.00 14.43
ATOM	862	CB	PHE			1.450	-9.238	35.698	1.00 12.42
ATOM	863	CG	PHE			2.959	-9.103	35.725	
ATOM	864	CD1				3.522	-7.877	35.359	1.00 14.21
MOTA	865		PHE			4.879		35.354	1.00 16.34
ATOM	866	CZ	PHE			5.727	-8.740	35.709	1.00 23.61
ATOM	867		PHE			5.187	-9.955	36.082	1.00 17.94
MOTA	868	CD2	PHE			3.820	-10.126	36.094	1.00 10.35
ATOM	869	С	PHE			1.581	-10.861	33.812	1.00 17.74
ATOM	870	0	PHE	Α	127		-10.836	32.917	1.00 13.35
MOTA	871	N	TRP	Α	128	1.311	-12.025	34.435	1.00 11.40
ATOM	872	CA	TRP	Α	128	2.102	-13.181	33.987	1.00 15.21
ATOM	873	CB	TRP	Α	128	1.989	-14.340	34.993	1.00 10.56
MOTA	874	CG			128	2.845	-14.116	36.205	1.00 8.09
ATOM	875		TRP			2.376	-13.938	37.463	1.00 11.21
ATOM	876		TRP				-13.764	38.325	1.00 8.52
ATOM	877		TRP				-13.825	37.643	1.00 13.75
ATOM	878		TRP				-14.046	36.298	1.00 12.80
ATOM	879		TRP				-14.155	35.373	1.00 11.11
	880		TRP				-14.133	35.821	1.00 11.11
ATOM							-13.810	37.181	1.00 16.48
ATOM	881		TRP					38.112	1.00 15.43
ATOM	882		TRP				-13.701		
ATOM	883	С	TRP	Α	T58	1.654	-13.612	32.601	1.00 12.30

ATOM	884	0	TRP	Α	128	2.460	-14.098	31.798	1.00	20.27
ATOM	885	N	LYS	A	129	0.386	-13.432	32.287	1.00	14.47
MOTA	886	CA	LYS	Α	129	-0.123	-13.666	30.937	1.00	19.61
ATOM	887	CB	LYS	Α	129	-1.619	-13.344	30.895	1.00	17.71
ATOM	888	CG	LYS	A	129	-2.234	-13.587	29.519	1.00	25.76
ATOM	889	CD	LYS	Α	129	-3.746	-13.768	29.659	1.00	30.81
ATOM	890	CE	LYS	Α	129	-4.330	-14.309	28.366	1.00	42.38
MOTA	891	NZ	LYS	Α	129	-5.236	-13.325	27.707	1.00	64.19
MOTA	892	С	LYS	Α	129	0.600	-12.834	29.884	1.00	20.15
ATOM	893	0	LYS	A	129	0.974	-13.321	28.816	1.00	19.90
ATOM	894	N	MET	Α	130	0.803	-11.553	30.185	1.00	15.51
ATOM	895	CA	MET	Α	130	1.625	-10.693	29.342	1.00	12.30
ATOM	896	CB	MET	Α	130	1.651	- 9.264	29.941	1.00	13.90
ATOM	897	CG	MET	Α	130	2.496	-8.310	29.089	1.00	21.15
ATOM	898	SD	MET	A	130	2.449	-6.632	29.804	1.00	18.25
ATOM	899	CE	MET	Α	130	3.476	-6.963	31.261	1.00	9.99
ATOM	900	С	MET	Α	130	3.032	-11.212	29.173	1.00	12.39
ATOM	901	0	MET	Α	130	3.562	-11.277	28.043	1.00	16.98
ATOM	902	N	VAL	Α	131	3.694	-11.586	30.273	1.00	12.09
ATOM	903	CA	VAL	Α	131	5.070	-12.076	30.234	1.00	11.97
ATOM	904	СВ	VAL	Α	131	5.538	-12.430	31.659	1.00	16.20
ATOM	905	CG1	VAL	Α	131	6.799	-13.282	31.685	1.00	15.59
ATOM	906	CG2	VAL	A	131	5.769	-11.144	32.455	1.00	15.38
ATOM	907	С	VAL	Α	131	5.163		29.317		15.84
ATOM	908	0	VAL	Α	131	6.079	-13.467	28.514	1.00	16.14
ATOM	909	N	TRP	Α	132	4.164	-14.167	29.469	1.00	14.48
ATOM	910	CA	TRP	Α	132	4.080	-15.371	28.632	1.00	22.42
ATOM	911	CB	TRP	Α	132	2.932	-16.265	29.104	1.00	21.06
ATOM	912	CG	TRP	Α	132	2.745		28.255	1.00	22.35
ATOM	913	CD1	TRP	Α	132	1.874	-17.689	27.232	1.00	23.78
MOTA	914	NE1	TRP	Α	132	2.025	-18.958	26.719	1.00	33.60
ATOM	915	CE2	TRP	Α	132	3.010	-19.603	27.414	1.00	33.31
MOTA	916	CD2	TRP	Α	132	3.490	-18.709	28.393	1.00	28.48
ATOM	917	CE3	TRP	Α	132	4.512	-19.117	29.253	1.00	28.47
ATOM	918	CZ3	TRP	Α	132	5.026	-20.393	29.117	1.00	36.09
MOTA	919	CH2	TRP	Α	132	4.526	-21.255	28.134	1.00	36.28
MOTA	920	CZ2	TRP	Α	132	3.528	-20.889	27.277	1.00	36.96
ATOM	921	С	TRP	Α	132	3.856	-15.027	27.164	1.00	20.60
ATOM	922	0	TRP	Α	132	4.646	-15.362	26.287	1.00	21.95
ATOM	923	N	GLU	Α	133	2.758	-14.324	26.879	1.00	25.53
ATOM	924	CA	GLU	Α	133	2.457	-13.988	25.485	1.00	19.74
ATOM	925	CB	GLU	Α	133	1.135	-13.223	25.431	1.00	18.87
ATOM	926	CG	GLU	A	133	-0.060	-14.082	25.806	1.00	25.68
ATOM	927	ÇD	GLU	Α	133	-1.358	-13.302	25.838	1.00	29.70
ATOM	928	OE1	GLU	Α	133	-1.312	-12.052	25.763	1.00	30.46
ATOM	929	OE2					-13.968	25.938		36.60
ATOM	930	С	GLU				-13.175	24.804	1.00	
ATOM	931	0	GLU				-13.293	23.581		21.96
ATOM	932	N	GLN				-12.351	25.538		19.31
ATOM	933	CA	GLN				-11.491	24.889		19.87
ATOM	934	СВ	GLN				-10.130	25.608		17.70
ATOM	935	CG	GLN			4.018	-9.384	25.508	1.00	

ATOM	936	CD	GLN			3.914	-8.755	24.122		23.73
MOTA	937	OE1	GLN	Α	134	4.912	-8.253	23.602		28.15
ATOM	938	NE2	GLN	Α	134	2.717	-8.831	23.569	1.00	32.92
ATOM	939	С	GLN	Α	134	6.657	-12.107	24.865		20.31
MOTA	940	0	GLN	Α	134	7.638	-11.458	24.496		17.95
ATOM	941	N	ASN	Α	135	6.778	-13.370	25.276	1.00	19.01
ATOM	942	CA	ASN			8.098	-13.993	25.193	1.00	21.67
MOTA	943	СВ	ASN			8.553	-13.988	23.723	1.00	21.93
ATOM	944	CG	ASN			7.716	-14.985	22.931	1.00	35.97
ATOM	945		ASN				-16.184	23.006	1.00	58.93
ATOM	946		ASN				-14.503	22.186		42.17
ATOM	947	C	ASN				-13.307	26.077		19.81
ATOM	948	0	ASN				-13.220	25.769		16.12
ATOM	949	N	VAL				-12.799	27.229		20.36
	950	CA	VAL				-12.111	28.122		15.08
ATOM		CB	VAL				-11.340	29.200		15.13
ATOM	951						-10.779	30.232		12.04
ATOM	952		VAL				-10.779	28.538		15.49
ATOM	953		VAL							14.70
ATOM	954	C	VAL				-13.092	28.836		
MOTA	955	0	VAL				-14.072	29.366	1.00	
ATOM	956	N	HIS				-12.874	28.906		14.74
ATOM	957	CA	HIS				-13.744	29.696		21.99
ATOM	958	СВ	HIS				-14.320	28.813		29.85
ATOM	959	CG	HIS				-15.085	27.643		41.77
ATOM	960		HIS				-14.609	26.847		47.82
ATOM	961		HIS				-15.483	25.894		50.67
ATOM	962	NE2	HIS				-16.515	26.043		51.38
ATOM	963	CD2	HIS				-16.290	27.131		52.47
ATOM	964	С	HIS			13.278	-12.993	30.881		19.04
ATOM	965	0	HIS	Α	137	13.809	-13.584	31.822		20.60
MOTA	966	N	ASN				-11.663	30.864		14.47
ATOM	967	CA	ASN				-10.854	31.884		13.33
ATOM	968	CB	ASN	Α	138		-10.147	31.291		17.70
MOTA	969	CG	ASN	Α	138	16.167	-11.101	30.874	1.00	22.71
ATOM	970	OD1	ASN	Α	138	16.544	-11.199	29.699		22.97
ATOM	971	ND2	ASN	Α	138	16.701	-11.826	31.845	1.00	11.98
ATOM	972	С	ASN	Α	138	12.881	-9.806	32.455		19.07
ATOM	973	0	ASN	А	138	12.306	-9.048	31.668		14.29
ATOM	974	N	ILE	Α	139	12.750	-9.775	33.771		13.58
ATOM	975	CA	ILE	Α	139	11.914	-8.814	34.474	1.00	17.38
ATOM	976	СВ	ILE			10.769	-9.506	35.247	1.00	14.95
ATOM	977		ILE			9.801	-10.303	34.371	1.00	16.27
ATOM	978		ILE				-11.256	35.154	1.00	11.30
ATOM	979		ILE			10.015	-8.481	36.087	1.00	10.83
ATOM	980	C	ILE			12.749	-7.985	35.446	1.00	22.75
MOTA	981	Ö	ILE			13.512	-8.536	36.247		19.39
ATOM	982	N	VAL			12.624	-6.663	35.401		11.65
ATOM	983	CA	VAL			13.383	-5.800	36.301	1.00	8.08
ATOM	984	CB	VAL			14.205	-4.745	35.542		17.09
ATOM	985		VAL			14.949	-3.802	36.480		11.40
ATOM	986		VAL			15.188	-5.436	34.593		15.24
ATOM	987	C	VAL			12.387	-5.094	37.211		15.07
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MOTA	988	0	VAL	Α	140	11.457	-4.455	36.710	1.00 14.02
MOTA	989	N	MET	Α	141	12.575	-5.238	38.515	1.00 14.68
ATOM	990	CA	MET	Α	141	11.685	-4.587	39.483	1.00 13.84
MOTA	991	СВ	MET	Α	141	11.042	-5.664	40.363	1.00 10.75
MOTA	992	CG			141	10.187	-5.130	41.494	1.00 13.65
ATOM	993	SD			141	9.374	-6.486	42.348	1.00 17.62
ATOM	994	CE			141	8.443	-5.608	43.606	1.00 16.36
			MET				-3.580	40.309	1.00 15.95
ATOM	995	C				12.481			
ATOM	996	0			141	13.483	-3.948	40.946	
MOTA	997	N			142	12.088	-2.304	40.318	1.00 11.30
MOTA	998	CA			142	12.946	-1.331	41.013	1.00 9.46
MOTA	999	CB			142	13.600	-0.291	40.092	1.00 13.94
ATOM	1000	CG1	VAL			14.741	-0.924	39.288	1.00 13.37
MOTA	1001	CG2	VAL	Α	142	12.590	0.342	39.149	1.00 17.83
MOTA	1002	С	VAL	Α	142	12.140	-0.611	42.099	1.00 17.41
MOTA	1003	0	VAL	Α	142	12.299	0.591	42.303	1.00 23.87
ATOM	1004	N	THR	Α	143	11.299	-1.355	42.791	1.00 14.35
ATOM	1005	CA	THR	Α	143	10.552	-0.929	43.977	1.00 16.41
ATOM	1006	CB			143	9.117	-0.509	43.638	1.00 23.66
ATOM	1007	OG1	THR			8.452	0.041	44.789	1.00 20.68
ATOM	1008	CG2	THR			8.267	-1.698	43.207	1.00 9.56
ATOM	1009	C	THR			10.561	-2.079	44.982	1.00 22.05
ATOM	1010	0	THR			10.851	-3.218	44.614	1.00 15.75
ATOM	1011	N	GLN			10.262	-1.792	46.241	1.00 15.62
	1011	CA	GLN			9.910	-2.851	47.187	1.00 19.02
ATOM						10.410	-2.626	48.609	1.00 13.33
ATOM	1013	CB	GLN			11.927	-2.605	48.704	1.00 17.14
ATOM	1014	CG	GLN						
ATOM	1015	CD	GLN			12.348	-2.080	50.072	
ATOM	1016		GLN			12.254	-2.790	51.068	1.00 40.58
MOTA	1017		GLN		144	12.801	-0.835	50.111	1.00 40.58
ATOM	1018	С	GLN		144	8.384	-2.911	47.180	1.00 22.04
ATOM	1019	0	GLN			7.791	-1.911	46.762	1.00 16.80
ATOM	1020	N	CYS			7.844	-4.039	47.614	1.00 15.58
MOTA	1021	CA	CYS			6.417	-4.249	47.637	1.00 12.91
MOTA	1022	CB	CYS	Α	145	6.103	-5.685	48.076	1.00 16.62
MOTA	1023	SG	CYS	Α	145	6.632	-6.849	46.778	1.00 21.90
MOTA	1024	С	CYS	Α	145	5.740	-3.273	48.598	1.00 16.44
ATOM	1025	0	CYS	Α	145	4.638	-2.796	48.381	1.00 16.10
MOTA	1026	N	VAL	Α	146	6.468	-3.025	49.680	1.00 17.59
ATOM	1027	CA	VAL	Α	146	5.917	-2.095	50.680	1.00 20.28
MOTA	1028	CB	VAL			5.285	-2.784	51.889	1.00 22.74
ATOM	1029		VAL			4.932	-1.757	52.972	1.00 22.42
ATOM	1030		VAL			4.037	-3.548	51.478	1.00 22.17
ATOM	1031	C	VAL			7.070	-1.198	51.104	1.00 16.66
ATOM	1032	Ō	VAL			8.171	-1.704	51.357	1.00 18.81
ATOM	1032	N	GLU			6.824	0.111	51.141	1.00 13.43
ATOM	1033	CA	GLU			7.898	0.995	51.588	1.00 16.86
	1034	CB	GLU			8.417	1.873	50.447	1.00 10.80
ATOM									
ATOM	1036	CG	GLU			9.145	1.028	49.405	1.00 26.38
ATOM	1037	CD	GLU			9.550	1.808	48.172	1.00 37.10
ATOM	1038		GLU			9.453	3.051	48.188	1.00 32.89
MOTA	1039	OE2	GLU	A	147	9.980	1.139	47.206	1.00 27.53

ATOM	1040	С	GLU	A 147	7.403	1.850	52.761	1.00 19.26
ATOM	1041	0		A 147		2.535	52.577	1.00 27.69
MOTA	1042	N		A 148		1.732	53.874	1.00 26.96
ATOM	1043	CA		A 148		2.395	55.125	1.00 26.67
ATOM	1044	CB		A 148		3.878	55.092	1.00 33.37
ATOM	1045	CG		A 148		4.143	55.371	1.00 42.34
ATOM	1046	CD		A 148		4.913	54.226	1.00 49.37
ATOM	1047	CE		A 148		5.651	54.685	1.00 56.84
ATOM	1048	NZ		A 148		7.114	54.810	1.00 51.81
ATOM	1049	С		A 148		2.210	55.380	1.00 29.22
ATOM	1050	O N		A 148 A 149		3.102	55.771	1.00 34.85
ATOM ATOM	1051 1052	CA		A 149 A 149		0.979	55.133	1.00 21.30
ATOM	1052	CA	GLY A			0.765	55.390	1.00 23.12
ATOM	1054	0	GLY A			1.142 0.724	54.264	1.00 28.88
ATOM	1054	N	ARG A			1.910	54.322 53.264	1.00 23.12 1.00 23.43
ATOM	1056	CA	ARG A			2.235	52.172	1.00 23.43
ATOM	1057	CB	ARG A			3.651	51.657	1.00 19.33
ATOM	1058	CG	ARG A			4.689	52.755	1.00 27.31
ATOM	1059	CD	ARG A			6.085	52.733	1.00 36.83
ATOM	1060	NE	ARG A			6.252	52.377	1.00 40.30
ATOM	1061	CZ	ARG A			7.218	52.990	1.00 55.25
ATOM	1062		ARG F			8.166	53.652	1.00 47.81
ATOM	1063		ARG A			7.238	52.944	1.00 64.89
ATOM	1064	С	ARG A			1.201	51.060	1.00 17.74
MOTA	1065	0	ARG A			0.894	50.604	1.00 20.32
ATOM	1066	N	VAL A	151	1.980	0.628	50.655	1.00 18.03
ATOM	1067	CA	VAL A	151	1.948	-0.432	49.654	1.00 23.37
ATOM	1068	CB	VAL A	151	0.528	-1.030	49.571	1.00 28.77
ATOM	1069	CG1			0.412	-2.015	48.412	1.00 18.49
MOTA	1070		VAL A		0.162	-1.691	50.895	1.00 20.07
ATOM	1071	С	VAL A		2.351	0.114	48.294	1.00 20.37
ATOM	1072	0	VAL A		1.847	1.164	47.899	1.00 19.29
ATOM	1073	N	LYS A		3.209	-0.566	47.557	1.00 18.81
ATOM	1074	CA	LYS A		3.673	-0.055	46.270	1.00 16.66
ATOM	1075	CB	LYS A		5.157	0.303	46.308	1.00 10.31
ATOM	1076	CG	LYS A		5.629	1.240	47.419	1.00 16.94
ATOM	1077	CD	LYS A		5.089	2.652	47.170	1.00 19.08
ATOM	1078	CE	LYS A		5.831	3.663	48.050	1.00 16.36
ATOM	1079	NZ	LYS A		5.565	5.051	47.592	1.00 31.76
ATOM	1080	C	LYS A		3.460	-1.111	45.189	1.00 18.63
ATOM ATOM	1081 1082	O N	LYS A		3.313	-0.808	44.006	1.00 14.72
ATOM	1083	N CA	CYS A		3.472	-2.381	45.605	1.00 10.99
ATOM	1084	CB	CYS A		3.426 4.777	-3.447	44.599	1.00 14.85
ATOM	1085	SG	CYS A			-3.577	43.886	1.00 10.33
ATOM	1086	C	CYS A		4.784 3.025	-4.845 -4.752	42.573	1.00 15.08
ATOM	1087	0	CYS A		3.429	-4.752 -5.011	45.279 46.409	1.00 19.72 1.00 17.06
ATOM	1087	N	ASP A		2.207	-5.564	44.633	1.00 17.06
ATOM	1089	CA	ASP A		1.872	-6.852	45.241	1.00 14.81
ATOM	1090	CB	ASP A		0.662	-7.429	44.514	1.00 13.17
ATOM	1091	CG	ASP A		0.186	-8.745	45.101	1.00 12.33
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MOTA	1092		ASP			0.232	-9.777	44.397	1.00 33.37
ATOM	1093	OD2	ASP	A	154	-0.223	-8.736	46.278	1.00 26.94
ATOM	1094	С			154	3.083	-7.782	45.165	1.00 21.36
ATOM	1095	0	ASP	Α	154	3.914	-7.662	44.252	1.00 23.22
ATOM	1096	N	HIS	Α	155	3.228	-8.717	46.091	1.00 15.03
ATOM	1097	CA	HIS	Α	155	4.241	-9.766	46.046	1.00 19.74
MOTA	1098	CB	HIS	Α	155	4.479	-10.390	47.434	1.00 18.44
ATOM	1099	CG			155		-11.249	47.473	1.00 16.91
ATOM	1100	ND1					-12.503	46.910	1.00 21.58
ATOM	1101	CE1	HIS				-13.028	47.088	1.00 15.22
ATOM	1102	NE2					-12.158	47.752	1.00 21.40
ATOM	1103		HIS				-11.046	47.997	1.00 13.16
ATOM	1104	C			155		-10.828	45.054	1.00 25.16
ATOM	1105	Ö			155		-11.863	45.434	1.00 22.33
	1105	N			156		-10.543	43.764	1.00 22.33
ATOM									1.00 14.30
MOTA	1107	CA			156		-11.265	42.715	
ATOM	1108	CB			156		-10.354	41.479	1.00 13.04
ATOM	1109	CG			156	4.342	-9.814	40.905	1.00 13.16
ATOM	1110	CD1	TYR				-10.496	39.932	1.00 10.49
ATOM	1111	CE1			156		-10.006	39.407	1.00 17.75
ATOM	1112	CZ			156	6.718	-8.786	39.842	1.00 15.46
MOTA	1113	ОН			156	7.895	-8.286	39.320	1.00 14.59
MOTA	1114	CE2				6.021	-8.087	40.801	1.00 14.68
ATOM	1115	CD2				4.843	-8.585	41.331	1.00 12.40
MOTA	1116	С	TYR	А	156		-12.526	42.265	1.00 17.42
ATOM	1117	0	TYR	Α	156	3.533	-13.067	41.242	1.00 15.62
MOTA	1118	N	TRP	A	157	4.994	-12.933	42.972	1.00 21.73
MOTA	1119	CA	TRP	Α	157	5.722	-14.154	42.677	1.00 16.38
MOTA	1120	CB	TRP	Α	157	7.152	-13.878	42.223	1.00 14.65
ATOM	1121	CG	TRP	Α	157	7.993	-13.290	43.317	1.00 20.93
MOTA	1122	CD1	TRP	Α	157	8.817	-13.924	44.200	1.00 19.30
MOTA	1123	NE1	TRP	Α	157	9.401	-13.009	45.041	1.00 18.29
MOTA	1124	CE2	TRP	Α	157	8.956	-11.758	44.703	1.00 20.37
ATOM	1125	CD2	TRP	Α	157	8.070	-11.895	43.622	1.00 12.37
ATOM	1126	CE3	TRP	Α	157	7.469	-10.759	43.083	1.00 15.46
ATOM	1127	CZ3	TRP	Α	157	7.772	-9.522	43.635	1.00 13.34
ATOM	1128	CH2	TRP			8.657	-9.418	44.709	1.00 18.59
ATOM	1129	CZ2	TRP				-10.519	45.259	1.00 21.33
ATOM	1130	С	TRP				-15.029	43.926	1.00 30.00
ATOM	1131	0	TRP				-14.475	44.994	1.00 24.21
ATOM	1132	N	PRO				-16.316	43.798	1.00 29.81
ATOM	1133	CA	PRO				-17.206	44.965	1.00 32.16
ATOM	1134	СВ	PRO				-18.527	44.371	1.00 30.44
ATOM	1135	CG	PRO				-18.476	42.946	1.00 26.74
ATOM	1136	CD	PRO				-17.040	42.542	1.00 22.30
ATOM	1137	CD	PRO				-16.803	46.089	1.00 22.50
	1137		PRO				-16.362	45.866	1.00 23.32
ATOM		O N							
ATOM	1139	N C7	ALA				-16.986	47.322	1.00 34.03
ATOM	1140	CA	ALA				-16.748	48.519	1.00 33.58
ATOM	1141	CB	ALA				-16.986	49.760	1.00 34.30
ATOM	1142	C	ALA				-17.621	48.576	1.00 32.85
ATOM	1143	0	ALA	A	159	9.602	-17.201	49.045	1.00 40.76

ATOM	1144	N	ASP A	Ą	160	8.	427	-18.858	48.101		29.96
MOTA	1145	CA	ASP A	Α	160	9.	520	-19.826	48.164	1.00	28.99
ATOM	1146	CB	ASP A	Α	160	9.	468	-20.587	49.485		27.85
ATOM	1147	CG	ASP A	Ą	160	8.	150	-21.298	49.727	1.00	33.73
MOTA	1148	OD1	ASP A	Ą	160	7.	767	-21.452	50.910	1.00	36.35
ATOM	1149	OD2	ASP A	Ą	160	7.	486	-21.709	48.750	1.00	38.51
ATOM	1150	С	ASP A			9.	449	-20.784	46.983	1.00	24.92
ATOM	1151	0	ASP Z					-20.443	45.951	1.00	29.16
ATOM	1152	N	GLN A					-21.975	47.125		19.70
ATOM	1153	CA	GLN A					-22.904	46.006		29.75
ATOM	1154	СВ	GLN Z					-23.901	46.254		33.52
ATOM	1155	CG	GLN A					-23.383	45.720		41.43
ATOM	1156	CD	GLN A					-23.856	46.547		53.65
ATOM	1157	OE1						-24.865	46.229		54.16
ATOM	1158	NE2	GLN A					-23.128	47.619		75.55
	1159	C	GLN A					-23.664	45.760		32.87
ATOM	1160	0	GLN A					-24.481	44.833		27.15
ATOM		N	ASP A					-23.443	46.559		32.19
ATOM	1161 1162	CA	ASP A					-24.162	46.313		25.87
MOTA	1162	CB	ASP A					-24.102	47.488		27.76
ATOM ATOM	1164	CG	ASP A					-24.971	48.652		40.60
	1165		ASP A					-25.582	48.628		39.74
ATOM	1166		ASP A					-25.049	49.598		66.88
ATOM ATOM	1167	C	ASP A					-23.557	45.072		29.94
ATOM	1168	0	ASP A					-22.348	44.880		36.10
ATOM	1169	N	SER A					-24.359	44.249		23.42
ATOM	1170	CA	SER A					-23.839	42.997		21.05
ATOM	1171	CB	SER Z					-24.994	41.988		26.60
ATOM	1172	OG	SER A					-26.074	42.630		25.84
ATOM	1173	C	SER A					-23.190	43.194		17.83
ATOM	1174	Ö	SER A					-23.381	44.183		21.12
ATOM	1175	N	LEU A					-22.379	42.208		22.53
MOTA	1176	CA	LEU A					-21.708	42.296		17.81
ATOM	1177	CB	LEU A					-20.333	42.942		22.42
ATOM	1178	CG	LEU A					-20.210	44.457		30.71
ATOM	1179	CD1						-18.736	44.854		38.32
ATOM	1180		LEU A					-20.862	45.021		31.30
ATOM	1181	C	LEU A					-21.526	40.897	1.00	16.82
ATOM	1182	Ö	LEU A					-21.285	39.990		20.87
MOTA	1183	N	TYR A					-21.616	40.758		15.24
ATOM	1184	CA	TYR A					-21.169	39.550		22.53
ATOM	1185	СВ	TYR A					-21.741	39.489		16.95
ATOM	1186	CG	TYR A					-23.194	39.073	1.00	20.26
ATOM	1187	CD1						-24.180	40.038	1.00	15.27
MOTA	1188	CE1						-25.515	39.711	1.00	15.03
ATOM	1189	CZ	TYR A					-25.882	38.390	1.00	19.11
ATOM	1190	OH	TYR A					-27.227	38.066		25.32
ATOM	1191		TYR A					-24.928	37.410	1.00	19.58
ATOM	1192		TYR A					-23.582	37.740	1.00	25.42
ATOM	1193	С	TYR A					-19.646	39.464	1.00	25.11
ATOM	1194	0	TYR A					-18.969	40.459	1.00	19.81
MOTA	1195	N	TYR A			-0.	938	-19.095	38.264	1.00	18.82

ATOM	1196	CA	TYR				-17.719	38.014	1.00 23.86
ATOM	1197	CB	TYR	Α	166		-16.754	37.949	1.00 25.11
MOTA	1198	CG	TYR	Ą	166		-16.636	39.182	1.00 17.66
ATOM	1199	CD1	TYR	Α	166		-15.669	40.134	1.00 17.33
MOTA	1200	CE1	TYR	Α	166	1.133	-15.541	41.265	1.00 20.35
ATOM	1201	CZ	TYR	Α	166	2.205	-16.369	41.485	1.00 26.41
ATOM	1202	OH	TYR	Α	166	2.943	-16.198	42.636	1.00 24.80
ATOM	1203	CE2	TYR	Α	166	2.521	-17.338	40.561	1.00 24.56
ATOM	1204	CD2	TYR	Α	166	1.738	-17.457	39.421	1.00 19.47
ATOM	1205	С	TYR	Α	166	-2.168	-17.720	36.706	1.00 15.43
ATOM	1206	0	TYR			-1.541	-17.809	35.655	1.00 16.56
MOTA	1207	N	GLY				-17.641	36.810	1.00 17.70
ATOM	1208	CA	GLY				-17.953	35.792	1.00 24.28
ATOM	1209	С	GLY				-19.347	35.220	1.00 31.57
ATOM	1210	0	GLY				-20.338	35.943	1.00 28.31
ATOM	1211	N	ASP				-19.435	33.943	1.00 24.61
ATOM	1212	CA	ASP				-20.695	33.265	1.00 28.49
ATOM	1213	CB	ASP				-20.622	31.802	1.00 29.53
MOTA	1214	CG	ASP				-20.382	31.765	1.00 33.69
ATOM	1215		ASP				-21.001	32.589	1.00 33.30
ATOM	1216		ASP				-19.582	30.947	1.00 43.14
ATOM	1217	C	ASP				-21.097	33.273	1.00 28.68
ATOM	1218	0	ASP				-22.113	32.667	1.00 34.81
ATOM	1219	N	LEU				-20.309	33.937	1.00 22.13
ATOM	1220	CA	LEU				-20.623	33.989	1.00 18.47
ATOM	1221	CB	LEU				-19.356	33.795	1.00 21.38
ATOM	1222	CG	LEU				-18.594	32.489	1.00 25.30
ATOM	1223		LEU				-17.313	32.456	1.00 21.42
ATOM	1224		LEU				-19.474	31.290	1.00 27.51
ATOM	1225	C	LEU				-21.268	35.322	1.00 19.04
ATOM	1226	0	LEU				-21.003	36.309	1.00 21.82
ATOM	1227	N	ILE				-22.084	35.337	1.00 20.12
MOTA	1228	CA	ILE				-22.592	36.587	1.00 21.11
ATOM	1229	CB	ILE				-24.120	36.675	1.00 20.24
ATOM	1230	CG1	ILE				-24.795	36.514	1.00 27.42
ATOM	1231	CD1	ILE				-26.292	36.777	1.00 29.31
ATOM	1232	CG2					-24.547	37.980	1.00 23.61
ATOM	1233	C	ILE				-22.031	36.736	1.00 20.55
ATOM	1234	0	ILE				-22.062	35.786	1.00 28.78
MOTA	1235	N	LEU				-21.531	37.926	
ATOM	1236	CA	LEU				-20.881	38.181	1.00 24.43
ATOM	1237	СВ	LEU				-19.393	38.433	1.00 27.91
ATOM	1238	CG	LEU				-18.408	38.278	1.00 37.79
ATOM	1239		LEU				-17.017	37.942	1.00 44.63
MOTA	1240		LEU				-18.374	39.551	1.00 34.65
ATOM	1241	CDZ	LEU				-21.519	39.352	1.00 19.86
ATOM	1242	0	LEU				-21.847	40.382	1.00 20.05
ATOM	1243	N	GLN				-21.692	39.203	1.00 21.32
ATOM	1244	CA	GLN				-22.247	40.234	1.00 29.54
ATOM	1245	CB	GLN				-23.689	39.862	1.00 43.33
ATOM	1246	CG	GLN				-24.770	40.555	1.00 53.47
MOTA	1247	CD	GLN				-26.042	40.814	1.00 63.05
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ATOM	1248		GLN				-26.503	39.964		
ATOM	1249		GLN				-26.624	41.998		64.69
ATOM	1250	С	GLN				-21.440	40.411		19.61
MOTA	1251	0	GLN				-21.265	39.457		19.10
MOTA	1252	N	MET				-20.971	41.628		16.88
MOTA	1253	CA			173		-20.353	41.863		19.35
MOTA	1254	CB	MET				-19.485	43.130		24.60
ATOM	1255	CG	MET				-18.710	43.277		27.16
ATOM	1256	SD	MET				-17.267	44.349		39.15
MOTA	1257	CE			173		-18.102	45.934		35.39
ATOM	1258	С			173		-21.384	42.027		24.07
MOTA	1259	0	MET	Α	173		-22.072	43.043		31.47
ATOM	1260	N	LEU				-21.438	41.036		23.52
MOTA	1261	CA	LEU	Α	174		-22.311	40.998		33.03
MOTA	1262	CB	LEU	Α	174		-22.478	39.543		27.30
ATOM	1263	CG	LEU	А	174		-23.075	38.590		32.33
MOTA	1264	CD1	LEU	Α	174		-23.477	37.276		44.31
ATOM	1265	CD2	LEU	Α	174		-24.270	39.214		40.73
MOTA	1266	С	LEU	A	174		-21.796	41.841		33.13
ATOM	1267	0	LEU	Α	174	15.857	-22.565	42.431	1.00	36.31
ATOM	1268	N	SER	Α	175	15.271	-20.475	41.923	1.00	32.25
ATOM	1269	CA	SER	Α	175	16.386	-19.961	42.712		28.55
ATOM	1270	CB	SER	Α	175	17.696	-20.148	41.952		36.29
MOTA	1271	OG	SER	Α	175	17.775	-19.299	40.825	1.00	30.88
ATOM	1272	С	SER	Α	175	16.199	-18.488	43.069	1.00	34.24
MOTA	1273	0	SER	Α	175	15.445	-17.778	42.404	1.00	23.93
ATOM	1274	N	GLU	Α	176	16.909	-18.101	44.118	1.00	24.79
ATOM	1275	CA	GLU			16.841	-16.777	44.717	1.00	24.84
ATOM	1276	CB	GLU			15.678	-16.730	45.704	1.00	29.85
ATOM	1277	CG	GLU			15.447	-15.387	46.377	1.00	32.22
MOTA	1278	CD	GLU			14.223	-15.390	47.270	1.00	34.82
ATOM	1279	OE1	GLU			14.358	-15.795	48.447	1.00	50.78
ATOM	1280	OE2				13.135	-14.988	46.806	1.00	39.74
ATOM	1281	C	GLU			18.166	-16.441	45.398	1.00	35.34
ATOM	1282	0	GLU			18.519	-17.072	46.397	1.00	33.01
ATOM	1283	N	SER			18.884	-15.477	44.837	1.00	29.77
ATOM	1284	CA	SER				-14.997	45.367	1.00	25.28
MOTA	1285	CB	SER	A	177		-15.094	44.377	1.00	27.96
ATOM	1286	OG	SER				-16.278	43.606	1.00	51.47
ATOM	1287	C	SER					45.831	1.00	30.74
ATOM	1288	Ö	SER				-12.591	45.070		23.11
ATOM	1289	N	VAL				-13.454	47.153		31.26
ATOM	1290	CA	VAL				-12.168	47.825		31.69
ATOM	1291	CB	VAL				-12.317	49.218		34.41
MOTA	1292		VAL				-10.964	49.903		48.17
ATOM	1293		VAL				-13.008	49.117		26.99
ATOM	1294	C	VAL				-11.579	47.885		39.05
ATOM	1295	0	VAL				-12.239	48.333		45.15
ATOM	1295	N	LEU				-10.351	47.400		29.28
ATOM	1290	CA	LEU				-9.567	47.511		24.54
	1297	CB	LEU			23.278	-9.294	46.122		27.13
ATOM			LEU				-10.559	45.262		39.41
MOTA	1299	CG	PEO	Н	113	23.421	10.00	30.202	1.00	JJ . 3 L

	1 2 4 4	OD 1		70	170	00 571	10 210	43.793	1.00 56.70
ATOM	1300		LEU				-10.210		
MOTA	1301	CD2					-11.381	45.760	1.00 42.38
MOTA	1302	С			179	22.370	-8.317	48.298	1.00 32.59
MOTA	1303	0	LEU	Α	179	21.180	-8.081	48.548	1.00 37.75
MOTA	1304	N	PRO	Α	180	23.330	-7.522	48.737	1.00 39.11
MOTA	1305	CA	PRO	Α	180	22.960	-6.390	49.597	1.00 42.52
ATOM	1306	СВ	PRO	Α	180	24.299	-5.699	49.872	1.00 48.91
MOTA	1307	CG			180	25.323	-6.759	49.636	1.00 51.16
ATOM	1308	CD			180	24.778	-7.596	48.511	1.00 44.82
ATOM	1309	C			180	22.012	-5.425	48.910	1.00 35.13
	1310	0			180	21.144	-4.829	49.553	1.00 43.71
ATOM						22.138	-5.225	47.594	1.00 25.87
MOTA	1311	N			181				1.00 25.37
ATOM	1312	CA			181	21.282	-4.161	47.054	
MOTA	1313	CB			181	22.162	-3.079	46.420	1.00 29.01
MOTA	1314	CG			181	22.810	-2.178	47.465	1.00 30.02
ATOM	1315	CD			181	24.001	-1.472	46.840	1.00 32.75
MOTA	1316	OE1				24.714	-2.135	46.060	1.00 55.04
ATOM	1317	OE2	GLU	A	181	24.190	-0.279	47.144	1.00 78.18
ATOM	1318	С	GLU	A	181	20.279	-4.658	46.035	1.00 19.68
MOTA	1319	0	GLU	Α	181	19.432	-3.890	45.579	1.00 22.96
ATOM	1320	N	TRP	Α	182	20.393	-5.937	45.683	1.00 23.62
ATOM	1321	CA	TRP	Α	182	19.378	-6.504	44.799	1.00 20.73
ATOM	1322	CB	TRP	Α	182	19.626	-6.134	43.344	1.00 22.35
ATOM	1323	CG	TRP	Α	182	21.019	-6.447	42.864	1.00 21.68
ATOM	1324	CD1	TRP			21.493	-7.660	42.455	1.00 20.02
ATOM	1325	NE1	TRP			22.813	-7.552	42.089	1.00 24.79
ATOM	1326	CE2			182	23.214	-6.252	42.256	1.00 33.15
ATOM	1327	CD2	TRP			22.107	-5.528	42.743	1.00 28.28
ATOM	1328	CE3	TRP			22.241	-4.160	43.006	1.00 26.77
ATOM	1329	CZ3	TRP			23.476	-3.579	42.767	1.00 34.39
ATOM	1330	CH2	TRP			24.560	-4.324	42.281	1.00 31.42
ATOM	1331	CZ2	TRP			24.460	-5.664	42.018	1.00 30.61
	1331	C			182	19.349	-8.017	44.977	1.00 23.48
MOTA	1333				182	20.281	-8.619	45.513	1.00 24.37
MOTA		0				18.240	-8.569	44.517	1.00 20.84
ATOM	1334	N			183			44.561	1.00 20.04
ATOM	1335	CA			183		-10.000 -10.266		1.00 20.04
MOTA	1336	CB			183			45.471	
ATOM	1337	OG1	THR			17.130	-9.789	46.776	1.00 26.68
MOTA	1338	CG2	THR				-11.751	45.577	1.00 20.82
MOTA		С	THR				-10.538		1.00 26.38
ATOM	1340	0	THR				-9.925	42.429	1.00 23.46
ATOM	1341	N			184		-11.655	42.819	1.00 16.60
MOTA	1342	CA			184		-12.248	41.505	1.00 14.97
ATOM	1343	CB	ILE	A	184		-12.402	40.716	1.00 20.49
ATOM	1344	CG1	ILE	Α	184		-11.053	40.565	1.00 22.48
MOTA	1345	CD1	ILE	Α	184		-11.102	39.778	1.00 24.88
ATOM	1346	CG2	ILE	Α	184	19.181	-13.048	39.360	1.00 15.87
ATOM	1347	С	ILE			17.374	-13.570	41.711	1.00 19.06
MOTA	1348	0	ILE				-14.392	42.481	1.00 22.71
ATOM	1349	N	ARG				-13.724	41.066	1.00 17.97
ATOM	1350	CA			185		-14.931	41.157	1.00 18.52
ATOM	1351	СВ	ARG				-14.667	41.733	1.00 15.90

MOTA	1352	CG	ARG A	185		2 -14.003	43.105		20.67
ATOM	1353	CD	ARG A			-13.580	43.574		23.49
MOTA	1354	NE	ARG A	185	12.620	-13.167	44.962		21.66
ATOM	1355	CZ	ARG A	185	12.709	-11.898	45.350		25.33
MOTA	1356	NH1	ARG A	185	12.934	-10.945	44.455		22.07
ATOM	1357	NH2	ARG A	185	12.581	-11.547	46.624		27.50
ATOM	1358	С	ARG A	185	15.285	-15.562	39.776	1.00	22.74
ATOM	1359	0	ARG A	185	15.369	-14.866	38.768		20.98
ATOM	1360	N	GLU A	186	15.113	3 -16.874	39.766		23.54
ATOM	1361	CA	GLU A	186	14.810	-17.562	38.512	1.00	27.25
ATOM	1362	СВ	GLU A	186	15.910	-18.545	38.151	1.00	26.23
ATOM	1363	CG	GLU A		16.337	-18.573	36.696	1.00	29.12
ATOM	1364	CD	GLU A		17.731	-19.181	36.591	1.00	39.66
ATOM	1365	OE1	GLU A		18.272	-19.548	37.660	1.00	56.70
ATOM	1366	OE2	GLU A			-19.282	35.470	1.00	48.51
ATOM	1367	С	GLU A		13.463	3 -18.273	38.668	1.00	22.29
ATOM	1368	0	GLU A		13.280	-18.945	39.685	1.00	18.10
ATOM	1369	N	PHE A		12.578	-18.097	37.695	1.00	18.63
ATOM	1370	CA	PHE A			-18.785	37.643	1.00	16.57
ATOM	1371	CB	PHE A		10.106	-17.835	37.663	1.00	17.31
ATOM	1372	CG	PHE A	187	10.225	-16.820	38.799	1.00	28.29
ATOM	1373	CD1	PHE A	187	10.561	-15.507	38.521	1.00	35.36
ATOM	1374	CE1	PHE A		10.660	-14.575	39.550	1.00	25.40
ATOM	1375	CZ	PHE A		10.448	-14.987	40.849	1.00	21.30
ATOM	1376	CE2	PHE A	187	10.104	-16.285	41.143	1.00	18.72
ATOM	1377	CD2	PHE A	187	9.991	-17.207	40.113	1.00	25.67
ATOM	1378	С	PHE A	187	11.210	-19.663	36.381	1.00	26.48
MOTA	1379	0	PHE A	187	11.754	-19.296	35.347		22.46
ATOM	1380	N	LYS A	188	10.530	-20.777	36.559	1.00	27.77
MOTA	1381	CA	LYS A	188		2 -21.741	35.559		29.70
ATOM	1382	CB	LYS A	188	10.530	-23.158	35.948		39.93
MOTA	1383	CG	LYS A	188	9.420	-24.194	35.867		49.03
ATOM	1384	CD	LYS A	188	9.938	-25.587	36.210		53.96
MOTA	1385	CE	LYS A	188		-26.451	36.802		55.37
ATOM	1386	NZ	LYS A	188		-27.803	36.178		45.26
MOTA	1387	С	LYS A			-21.640	35.400		23.00
ATOM	1388	0	LYS A	188		-21.828	36.378		26.46
MOTA	1389	N	ILE A			2 -21.324	34.203		23.28
ATOM	1390	CA	ILE A	189	6.734	-21.106	33.898		25.13
MOTA	1391	CB	ILE A	189		-19.717	33.278		37.23
ATOM	1392		ILE A			-18.538	34.159		42.70
MOTA	1393					-17.286	33.840		58.33
ATOM	1394					-19.569	32.866		42.16
MOTA	1395	С	ILE A			-22.144	32.895		28.65
ATOM	1396	0	ILE A			-22.279	31.869		28.97
MOTA	1397	N	CYS A			-22.799	33.219		28.96
ATOM	1398	CA	CYS A			-23.828	32.396		35.44
MOTA	1399	CB	CYS A			-25.127	33.185		38.00
MOTA	1400	SG	CYS A			-25.627	34.128		68.71
ATOM	1401	C	CYS A			-23.331	31.836		40.13
ATOM	1402	0	CYS A			3 -22.985	32.586		32.30
ATOM	1403	N	GLY A	191	3.122	2 -23.308	30.510	1.00	37.25

ATOM	1404	CA	GLY A	191		-22.800	29.737	1.00 41.56
MOTA	1405	С	GLY A	191	1.357	-23.872	28.890	1.00 48.56
ATOM	1406	0	GLY F	191	1.577	-25.066	29.095	1.00 45.07
ATOM	1407	N	GLU F		0.549	-23.428	27.936	1.00 54.18
MOTA	1408	CA	GLU F			-24.305	27.048	1.00 69.22
ATOM	1409	CB	GLU F			-23.566	26.522	1.00 74.04
	1410	CG	GLU F			-24.220	26.866	1.00 80.18
ATOM			GLU F			-23.505	27.916	1.00 81.21
MOTA	1411	CD	GLU F			-23.303	29.033	1.00 64.52
ATOM	1412	OE1						1.00 04.32
ATOM	1413	OE2				-22.396	27.649	
MOTA	1414	С	GLU F			-24.817	25.901	1.00 77.66
ATOM	1415	0	GLU F			-25.106	24.821	1.00 91.62
ATOM	1416	N	GLU F			-24.929	26.155	1.00 83.58
MOTA	1417	CA	GLU F			-25.361	25.250	1.00 93.54
ATOM	1418	CB	GLU P	193		-26.877	25.035	1.00 96.89
ATOM	1419	CG	GLU F	193	4.249	-27.604	25.348	1.00 98.33
MOTA	1420	CD	GLU P	193	4.432	-28.893	24.572	1.00 96.49
ATOM	1421	OE1	GLU F	193	3.518	-29.278	23.811	1.00 93.16
ATOM	1422	OE2	GLU A	193	5.494	-29.536	24.722	1.00 88.57
ATOM	1423	С	GLU P		2.918	-24.636	23.910	1.00 99.98
ATOM	1424	0	GLU A			-25.271	22.877	1.00108.24
ATOM	1425	N	GLN A			-23.317	23.931	1.00102.55
ATOM	1426	CA	GLN A			-22.499	22.728	1.00105.80
ATOM	1427	СВ	GLN A			-21.129	23.088	1.00108.21
ATOM	1428	CG	GLN A			-21.133	23.330	1.00106.39
ATOM	1429	CD	GLN A			-21.310	24.793	1.00103.56
	1430	OE1				-21.724	25.602	1.00 98.95
MOTA		NE2	GLN P			-20.994	25.143	1.00 99.79
ATOM	1431					-20.334	21.999	1.00105.62
ATOM	1432	C	GLN A			-23.324	21.847	1.00103.02
ATOM	1433	0	GLN A				21.553	
MOTA	1434	N	LEU A			-21.125		1.00101.17
ATOM	1435	CA	LEU A			-20.881	20.883	1.00 95.89
MOTA	1436	CB	LEU A			-19.411	20.507	1.00 88.27
MOTA	1437	CG	LEU A			-19.063	19.016	1.00 76.59
ATOM	1438		LEU A			-17.648	18.786	1.00 35.43
MOTA	1439	CD2	LEU A			-20.068	18.254	1.00 62.06
MOTA	1440	С	LEU A			-21.372	21.776	1.00 95.74
ATOM	1441	0	LEU A			-21.890	21.287	1.00104.53
ATOM	1442	N	ASP A	196		-21.227	23.085	1.00 93.29
MOTA	1443	CA	ASP A	. 196	7.763	-21.771	24.069	
ATOM	1444	CB	ASP A	. 196	8.450	-20.660	24.857	1.00 83.52
ATOM	1445	CG	ASP A	196	7.556	-19.912	25.817	1.00 71.43
ATOM	1446	OD1	ASP A		6.442	-19.474	25.450	1.00 46.66
ATOM	1447		ASP A		7.964	-19.724	26.984	1.00 45.20
ATOM	1448	С	ASP A		7.029	-22.731	25.002	1.00 89.72
ATOM	1449	Ö	ASP A			-22.456	25.409	1.00 82.68
ATOM	1450	N	ALA A			-23.857	25.335	1.00 93.55
ATOM	1451	CA	ALA A			-24.842	26.208	1.00 94.35
ATOM	1451	CB	ALA A			-26.255	25.691	1.00 80.84
	1453	СВ	ALA A			-24.718	27.644	1.00 94.80
ATOM		0	ALA A			-24.641	28.574	1.00 92.09
MOTA	1454		HIS A			-24.041	27.838	1.00 92.03
ATOM	1455	N	птэ Б	120	0.039	24.700	21.000	1.00 72.00

ATOM	ATOM	1456	CA	HIS	Α	198	9.370	-24.519	29.182	1.00 88.28
ATOM 1460 CE1 HIS A 198	MOTA	1457	CB	HIS	Α	198	10.131	-25.748	29.703	1.00 89.87
ATOM 1461 NE2 HIS A 198 12.067 -24.649 33.038 1.00 94.08 ATOM 1461 NE2 HIS A 198 12.268 -24.939 32.593 1.00 94.64 ATOM 1462 CD2 HIS A 198 12.167 -25.392 31.299 1.00 92.48 ATOM 1463 C HIS A 198 10.316 -23.322 29.267 1.00 77.76 ATOM 1464 O HIS A 198 11.500 -23.417 28.954 1.00 88.55 ATOM 1465 N ARG A 199 9.769 -22.197 29.709 1.00 65.70 ATOM 1466 CA ARG A 199 9.769 -22.197 29.709 1.00 65.70 ATOM 1467 CB ARG A 199 9.769 -22.197 29.709 1.00 44.67 ATOM 1467 CB ARG A 199 9.612 -19.780 29.480 1.00 44.67 ATOM 1468 CG ARG A 199 9.912 -17.331 28.879 1.00 46.83 ATOM 1470 NE ARG A 199 9.994 -17.331 28.879 1.00 46.19 ATOM 1471 CZ ARG A 199 8.914 -17.624 27.971 1.00 51.98 ATOM 1472 NH1 ARG A 199 7.852 -16.844 27.777 1.00 51.98 ATOM 1473 NH2 ARG A 199 6.920 -17.196 26.901 1.00 32.81 ATOM 1474 C ARG A 199 6.920 -17.196 26.901 1.00 32.81 ATOM 1475 C ARG A 199 11.133 -20.718 31.161 1.00 32.81 ATOM 1476 N LEU A 200 12.327 -20.133 31.142 1.00 25.30 ATOM 1477 CA LEU A 200 12.327 -20.133 31.142 1.00 25.30 ATOM 1478 CB LEU A 200 14.414 -20.256 32.486 1.00 37.98 ATOM 1478 CB LEU A 200 14.414 -20.256 32.486 1.00 37.98 ATOM 1480 CD1 LEU A 200 14.414 -20.256 32.389 1.00 26.91 ATOM 1481 CD2 LEU A 200 13.010 -19.678 32.340 1.00 25.37 ATOM 1482 C LEU A 200 14.511 -21.782 32.585 1.00 50.45 ATOM 1483 O LEU A 200 13.058 -18.146 32.323 1.00 26.91 ATOM 1484 N ILE A 201 13.058 -18.146 32.323 1.00 26.91 ATOM 1485 CA LEU A 200 13.058 -18.146 32.323 1.00 26.91 ATOM 1486 CB LEU A 200 13.058 -18.146 32.323 1.00 26.91 ATOM 1487 CG LEU A 200 13.058 -18.146 32.323 1.00 26.91 ATOM 1488 CD LEU A 200 13.058 -18.146 32.323 1.00 26.91 ATOM 1489 CG LEU A 200 13.058 -18.146 32.323 1.00 26.91 ATOM 1480 CD LEU A 200 13.058 -18.146 32.323 1.00 26.91 ATOM 1480 CD LEU A 201 13.394 -15.625 33.686 1.00 37.98 ATOM 1495 CG ARG A 202 14.665 -13.807 35.665 1.00 20.15 ATOM 1496 CB ARG A 202 19.595 -15.593 33.994 1.00 32.16 ATOM 1497 NE ARG A 202 19.597 -15.503 33.994 1.00 32.81 ATOM 1498 CC LEU A 201 10.846 -15.505 34.626 1.00 17.67 ATOM 1499 NR ARG A 202 19.599 -15.593 33.6	MOTA	1458	CG	HIS	Α	198	10.859	-25.377	30.967	1.00 91.21
ATOM 1461 NE2 HIS A 198 12.268 -24.999 32.593 1.00 94.64 ATOM 1462 CD2 HIS A 198 10.316 -23.322 29.267 1.00 77.76 ATOM 1463 C HIS A 198 10.316 -23.322 29.267 1.00 77.76 ATOM 1465 N ARG A 199 10.523 -20.957 29.709 1.00 65.75 ATOM 1465 N ARG A 199 10.523 -20.957 29.709 1.00 65.76 ATOM 1466 CA ARG A 199 10.523 -20.957 29.709 1.00 65.76 ATOM 1467 CB ARG A 199 10.523 -20.957 29.782 1.00 47.47 ATOM 1468 CG ARG A 199 9.612 -19.780 29.809 1.00 54.67 ATOM 1469 CD ARG A 199 9.94 -17.331 28.879 1.00 46.83 ATOM 1470 NE ARG A 199 9.994 -17.331 28.879 1.00 46.83 ATOM 1471 CZ ARG A 199 7.852 -16.844 27.777 1.00 51.98 ATOM 1472 NH1 ARG A 199 7.852 -16.844 27.777 1.00 51.98 ATOM 1473 NH2 ARG A 199 7.852 -16.844 27.777 1.00 51.98 ATOM 1474 CA ARG A 199 10.541 -21.045 32.190 1.00 32.81 ATOM 1475 O ARG A 199 10.541 -21.045 32.190 1.00 25.30 ATOM 1476 N LEU A 200 12.327 -20.133 31.142 1.00 25.30 ATOM 1477 CA LEU A 200 12.327 -20.133 31.142 1.00 25.37 ATOM 1478 CB LEU A 200 13.010 -19.678 32.346 1.00 25.37 ATOM 1478 CB LEU A 200 14.414 -20.256 32.468 1.00 37.98 ATOM 1479 CG LEU A 200 13.910 -22.26 32.468 1.00 37.98 ATOM 1480 CD1 LEU A 200 13.956 -22.270 33.899 1.00 46.72 ATOM 1481 CD2 LEU A 200 13.951 -22.270 33.899 1.00 46.72 ATOM 1483 CD LEU A 200 13.951 -22.270 33.899 1.00 46.72 ATOM 1484 N ILE A 201 12.549 -17.552 33.391 1.00 25.54 ATOM 1485 CA ILE A 201 13.351 -17.544 31.358 1.00 26.691 ATOM 1486 CB ILE A 201 12.549 -17.552 33.391 1.00 23.54 ATOM 1487 CG ILE A 201 13.394 -15.688 33.997 1.00 18.99 ATOM 1489 CG2 ILE A 201 13.394 -15.683 33.997 1.00 18.99 ATOM 1490 C D LE A 201 13.394 -15.683 33.997 1.00 18.99 ATOM 1491 O LE A 201 13.394 -15.685 33.594 1.00 33.93 ATOM 1492 N ARG A 202 14.414 -18.3 33.790 1.00 26.56 ATOM 1493 CA ARG A 202 14.218 -14.617 34.353 1.00 16.91 ATOM 1494 CB ARG A 202 17.322 -15.053 34.928 1.00 33.93 ATOM 1495 CG ARG A 202 17.322 -15.053 34.928 1.00 33.93 ATOM 1496 CD ARG A 202 17.322 -15.053 34.928 1.00 33.93 ATOM 1497 NE ARG A 202 19.899 -16.510 33.494 1.00 69.92 ATOM 1498 CC BARG A 202 19.899 -16.510 33	ATOM	1459	ND1	HIS	Α	198	10.190	-24.902	32.073	1.00 94.03
ATOM 1462 CD2 HIS A 198 10.316 -25.392 31.299 1.00 92.48 ATOM 1463 C HIS A 198 10.316 -23.322 29.267 1.00 77.76 ATOM 1464 O HIS A 198 11.500 -23.417 28.955 1.00 68.55 ATOM 1465 N ARG A 199 9.769 -22.197 29.709 1.00 65.70 ATOM 1466 CA ARG A 199 9.769 -22.197 29.709 1.00 65.70 ATOM 1467 CB ARG A 199 9.612 -19.780 29.400 1.00 44.67 ATOM 1468 CG ARG A 199 9.612 -19.780 29.400 1.00 44.67 ATOM 1469 CD ARG A 199 9.994 -17.331 28.879 1.00 53.42 ATOM 1470 NE ARG A 199 9.994 -17.331 28.879 1.00 46.83 ATOM 1470 NE ARG A 199 8.914 -17.624 27.941 1.00 46.19 ATOM 1471 CZ ARG A 199 7.852 -16.844 27.777 1.00 51.98 ATOM 1472 NH1 ARG A 199 7.744 -15.728 28.495 1.00 21.30 ATOM 1473 NH2 ARG A 199 6.920 -17.196 26.901 1.00 32.81 ATOM 1474 C ARG A 199 11.133 -20.718 31.161 1.00 32.26 ATOM 1475 O ARG A 199 11.133 -20.718 31.161 1.00 32.81 ATOM 1476 N LEU A 200 12.327 -20.133 31.142 1.00 25.30 ATOM 1477 CA LEU A 200 12.327 -20.133 31.142 1.00 25.66 ATOM 1479 CG LEU A 200 14.511 -21.045 32.496 1.00 25.37 ATOM 1478 CB LEU A 200 14.511 -21.782 32.585 1.00 50.45 ATOM 1480 CD1 LEU A 200 14.511 -21.782 32.585 1.00 50.45 ATOM 1481 CD2 LEU A 200 14.511 -21.782 32.585 1.00 50.45 ATOM 1483 O LEU A 200 13.010 -19.678 32.340 1.00 25.37 ATOM 1483 C LEU A 200 14.511 -21.782 32.585 1.00 50.45 ATOM 1483 O LEU A 200 13.058 -18.146 32.323 1.00 26.91 ATOM 1483 C DI LEU A 200 13.058 -18.146 32.323 1.00 26.91 ATOM 1483 C DI LEU A 200 13.058 -18.146 32.323 1.00 26.91 ATOM 1486 CB ILE A 201 13.058 -18.146 33.398 1.00 38.91 ATOM 1487 CG1 ILE A 201 12.463 -16.102 33.528 1.00 16.99 ATOM 1488 CD1 LEU A 200 13.058 -18.146 32.323 1.00 28.85 ATOM 1489 CG2 ILE A 201 13.058 -18.146 33.398 1.00 38.91 ATOM 1489 CG2 ILE A 201 13.394 -15.625 34.626 1.00 37.98 ATOM 1489 CG2 ILE A 201 13.394 -15.625 34.626 1.00 37.98 ATOM 1490 C ARG A 202 15.465 -13.807 33.993 1.00 16.91 ATOM 1491 O ILE A 201 13.394 -15.625 34.626 1.00 37.99 ATOM 1492 N ARG A 202 15.056 -17.615 33.984 1.00 69.32 ATOM 1493 CA ARG A 202 15.056 -17.615 33.984 1.00 69.32 ATOM 1494 CB ARG A 202 19.879 -16.510	MOTA	1460					11.057	-24.649	33.038	1.00 94.08
ATOM 1464 C HIS A 198	MOTA	1461	NE2	HIS	Α	198	12.268	-24.939	32.593	1.00 94.64
ATOM 1465 N ARG A 199 9.769 -22.197 29.709 1.00 65.75 ATOM 1465 N ARG A 199 9.769 -22.197 29.709 1.00 65.70 ATOM 1466 CA ARG A 199 9.612 -19.780 29.400 1.00 47.47 ATOM 1468 CG ARG A 199 10.165 -18.453 29.889 1.00 53.45 ATOM 1469 CD ARG A 199 9.612 -19.780 29.400 1.00 44.67 ATOM 1469 CD ARG A 199 9.612 -19.780 29.899 1.00 53.45 ATOM 1470 NE ARG A 199 9.994 -17.331 28.879 1.00 46.83 ATOM 1471 CZ ARG A 199 7.852 -16.844 27.777 1.00 51.98 ATOM 1472 NH1 ARG A 199 7.852 -16.844 27.777 1.00 51.98 ATOM 1473 NH2 ARG A 199 7.852 -16.844 27.777 1.00 51.98 ATOM 1474 C ARG A 199 7.852 -16.844 27.777 1.00 51.98 ATOM 1475 O ARG A 199 6.920 -17.196 26.901 1.00 32.81 ATOM 1476 N LEU A 200 12.327 -20.133 31.161 1.00 32.26 ATOM 1477 CA LEU A 200 12.327 -20.133 31.162 1.00 25.30 ATOM 1477 CA LEU A 200 13.010 -19.678 32.340 1.00 25.30 ATOM 1478 CB LEU A 200 14.511 -21.782 32.585 1.00 50.45 ATOM 1478 CB LEU A 200 14.511 -21.782 32.585 1.00 50.45 ATOM 1480 CD1 LEU A 200 15.956 -22.239 32.447 1.00 66.02 ATOM 1481 CD2 LEU A 200 13.010 -19.678 32.340 1.00 26.91 ATOM 1481 CD2 LEU A 200 13.010 -19.678 32.340 1.00 26.91 ATOM 1483 N LE A 201 12.463 -16.102 33.589 1.00 46.72 ATOM 1484 N LE A 201 12.463 -16.102 33.589 1.00 23.54 ATOM 1486 CB LEU A 200 13.058 -18.146 32.323 1.00 26.91 ATOM 1487 CG1 LE A 201 12.463 -16.102 33.528 1.00 16.69 ATOM 1488 N LE A 201 12.463 -16.102 33.528 1.00 16.69 ATOM 1489 CG2 LE A 201 13.380 -16.158 33.997 1.00 18.91 ATOM 1489 CG2 LE A 201 13.394 -15.688 33.897 1.00 18.91 ATOM 1490 C LE A 201 13.394 -15.625 34.626 1.00 37.91 ATOM 1491 C LE A 201 13.394 -15.625 34.626 1.00 37.91 ATOM 1492 N ARG A 202 14.218 -14.617 34.353 1.00 20.55 ATOM 1493 CA ARG A 202 16.465 -13.807 35.065 1.00 20.15 ATOM 1494 CB ARG A 202 19.983 -16.158 35.732 1.00 20.91 ATOM 1495 CG ARG A 202 19.494 -16.112 35.342 1.00 69.32 ATOM 1496 CD ARG A 202 19.899 -16.510 34.134 1.00 61.66 ATOM 1497 NE ARG A 202 19.899 -16.510 34.134 1.00 61.66 ATOM 1498 CG ARG A 202 19.899 -16.510 34.134 1.00 61.66 ATOM 1496 CB ARG A 202 19.899 -16.510 34.134 1.00 61	MOTA	1462	CD2	HIS	Α	198	12.167	-25.392	31.299	1.00 92.48
ATOM 1465	ATOM	1463	С	HIS	Α	198	10.316	-23.322	29.267	1.00 77.76
ATOM 1466 CA ARG A 199 9.612 -19.780 29.482 1.00 47.47 ATOM 1467 CB ARG A 199 9.612 -19.780 29.400 1.00 44.67 ATOM 1468 CG ARG A 199 10.165 -18.453 29.889 1.00 53.42 ATOM 1469 CD ARG A 199 9.994 -17.331 28.879 1.00 46.83 ATOM 1470 NE ARG A 199 8.914 -17.624 27.941 1.00 46.19 ATOM 1471 CZ ARG A 199 7.852 -16.844 27.777 1.00 51.98 ATOM 1472 NH1 ARG A 199 7.744 -15.728 28.495 1.00 21.30 ATOM 1473 NH2 ARG A 199 7.744 -15.728 28.495 1.00 21.30 ATOM 1473 NH2 ARG A 199 6.920 -17.196 26.901 1.00 32.26 ATOM 1475 O ARG A 199 10.541 -21.045 32.190 1.00 25.30 ATOM 1476 N LEU A 200 12.327 -20.133 31.161 1.00 32.26 ATOM 1477 CA LEU A 200 12.327 -20.133 31.142 1.00 25.66 ATOM 1477 CA LEU A 200 14.511 -21.782 32.468 1.00 37.98 ATOM 1478 CB LEU A 200 14.511 -21.782 32.468 1.00 37.98 ATOM 1480 CD1 LEU A 200 15.956 -22.239 32.446 1.00 25.37 ATOM 1480 CD1 LEU A 200 13.010 -19.678 32.340 1.00 25.35 ATOM 1480 CD1 LEU A 200 13.911 -22.270 33.899 1.00 46.72 ATOM 1482 C LEU A 200 13.911 -22.270 33.899 1.00 26.91 ATOM 1483 O LEU A 200 13.521 -17.544 31.358 1.00 20.45 ATOM 1484 N LLE A 201 13.058 -18.146 32.323 1.00 26.91 ATOM 1485 CA LEU A 201 13.058 -18.146 32.323 1.00 26.91 ATOM 1486 CB ILE A 201 12.549 -17.552 33.391 1.00 23.54 ATOM 1488 CB LLE A 201 12.549 -17.552 33.391 1.00 23.54 ATOM 1488 CB LLE A 201 12.549 -17.552 33.391 1.00 23.54 ATOM 1488 CB LLE A 201 12.549 -17.552 33.391 1.00 23.54 ATOM 1488 CB LLE A 201 12.549 -17.552 33.391 1.00 23.54 ATOM 1489 CG2 LLE A 201 12.463 -16.102 33.528 1.00 16.69 ATOM 1490 C LLE A 201 13.394 -15.688 33.897 1.00 38.11 ATOM 1499 N R ARG A 202 14.218 -14.617 34.353 1.00 26.56 ATOM 1490 C LLE A 201 13.394 -15.625 34.626 1.00 17.67 ATOM 1490 C LLE A 201 13.394 -15.625 34.626 1.00 17.67 ATOM 1491 O LLE A 201 13.394 -15.625 34.626 1.00 17.67 ATOM 1494 CB ARG A 202 14.218 -14.617 34.353 1.00 26.56 ATOM 1494 CB ARG A 202 14.218 -14.617 34.353 1.00 26.56 ATOM 1494 CB ARG A 202 14.218 -14.617 34.353 1.00 26.56 ATOM 1495 CG ARG A 202 14.218 -14.617 35.342 1.00 33.93 ATOM 1496 CD ARG A 202 19.494 -16.112 3	ATOM	1464	0	HIS	Α	198	11.500	-23.417	28.954	1.00 88.55
ATOM 1468 CG ARG A 199 10.165 -18.780 29.400 1.00 44.67 ATOM 1468 CG ARG A 199 10.165 -18.733 29.889 1.00 53.42 ATOM 1469 CD ARG A 199 8.914 -17.331 28.879 1.00 46.83 ATOM 1470 NE ARG A 199 8.914 -17.624 27.941 1.00 46.19 ATOM 1471 CZ ARG A 199 7.852 -16.844 27.777 1.00 51.98 ATOM 1472 NH1 ARG A 199 7.852 -16.844 27.777 1.00 51.98 ATOM 1473 NH2 ARG A 199 6.920 -17.196 26.901 1.00 32.81 ATOM 1474 C ARG A 199 6.920 -17.196 26.901 1.00 32.81 ATOM 1475 O ARG A 199 10.541 -21.045 32.190 1.00 25.36 ATOM 1476 N LEU A 200 12.327 -20.133 31.142 1.00 25.36 ATOM 1477 CA LEU A 200 12.327 -20.133 31.142 1.00 25.36 ATOM 1478 CB LEU A 200 14.414 -20.256 32.468 1.00 37.98 ATOM 1479 CG LEU A 200 15.956 -22.239 32.447 1.00 66.02 ATOM 1480 CD1 LEU A 200 15.956 -22.239 32.447 1.00 66.02 ATOM 1481 CD2 LEU A 200 13.058 -18.146 32.323 1.00 26.91 ATOM 1482 C LEU A 200 13.058 -18.146 32.323 1.00 26.91 ATOM 1484 N LEE A 201 13.058 -18.146 32.323 1.00 26.91 ATOM 1484 N LEE A 201 12.463 -16.102 33.598 1.00 23.54 ATOM 1485 CA LEU A 200 13.521 -17.544 31.358 1.00 22.85 ATOM 1486 CB LLE A 201 12.463 -16.102 33.598 1.00 16.69 ATOM 1487 CG1 LLE A 201 12.463 -16.102 33.598 1.00 16.69 ATOM 1487 CG1 LLE A 201 12.463 -16.102 33.598 1.00 26.56 ATOM 1488 CD1 LLE A 201 12.463 -16.102 33.598 1.00 16.69 ATOM 1487 CG1 LLE A 201 12.463 -16.102 33.598 1.00 16.69 ATOM 1489 CC2 LLE A 201 13.394 -15.625 34.626 1.00 17.67 ATOM 1490 C LLE A 201 13.394 -15.625 34.626 1.00 17.67 ATOM 1490 C LLE A 201 13.394 -15.625 34.626 1.00 17.67 ATOM 1491 O LLE A 201 13.394 -15.625 34.626 1.00 17.67 ATOM 1494 CB ARG A 202 15.020 -14.076 35.433 1.00 26.56 ATOM 1499 NH ARG A 202 16.465 -13.807 35.055 1.00 23.89 ATOM 1495 CD ARG A 202 15.020 -14.076 35.433 1.00 16.91 ATOM 1497 NE ARG A 202 15.020 -14.076 35.433 1.00 16.91 ATOM 1499 NH ARG A 202 15.424 14.218 33.790 1.00 23.89 ATOM 1495 CD ARG A 202 15.425 -15.653 34.928 1.00 33.93 ATOM 1495 CD ARG A 202 15.426 -15.655 34.626 1.00 33.93 ATOM 1495 CD ARG A 202 15.445 -15.655 34.626 1.00 33.93 ATOM 1499 NH1 ARG A 202 15.445 -15.65	ATOM	1465	N	ARG	Α	199	9.769	-22.197	29.709	1.00 65.70
ATOM 1468 CG ARG A 199	ATOM	1466	CA	ARG	Α	199	10.523	-20.957	29.782	1.00 47.47
ATOM 1469 CD ARG A 199	MOTA	1467	CB	ARG	Α	199	9.612	-19.780	29.400	1.00 44.67
ATOM 1470 NE ARG A 199	ATOM	1468	CG	ARG	Α	199	10.165	-18.453	29.889	1.00 53.42
ATOM 1471 CZ ARG A 199	MOTA	1469	CD	ARG	Α	199	9.994	-17.331	28.879	1.00 46.83
ATOM 1472 NH1 ARG A 199	MOTA	1470	NE	ARG	Α	199	8.914	-17.624	27.941	1.00 46.19
ATOM 1473 NH2 ARG A 199 6.920 -17.196 26.901 1.00 32.81 ATOM 1474 C ARG A 199 11.133 -20.718 31.161 1.00 32.26 ATOM 1475 O ARG A 199 10.541 -21.045 32.190 1.00 25.30 ATOM 1476 N LEU A 200 12.327 -20.133 31.142 1.00 25.66 ATOM 1477 CA LEU A 200 13.010 -19.678 32.340 1.00 25.37 ATOM 1478 CB LEU A 200 14.414 -20.256 32.468 1.00 37.98 ATOM 1479 CG LEU A 200 14.511 -21.782 32.585 1.00 50.45 ATOM 1480 CD1 LEU A 200 15.956 -22.239 32.447 1.00 66.02 ATOM 1481 CD2 LEU A 200 13.010 -19.678 32.333 1.00 26.91 ATOM 1483 O LEU A 200 13.058 -18.146 32.323 1.00 26.91 ATOM 1483 O LEU A 200 13.058 -18.146 32.323 1.00 26.91 ATOM 1484 N ILE A 201 13.551 -17.544 31.358 1.00 23.54 ATOM 1485 CA ILE A 201 12.549 -17.552 33.391 1.00 23.54 ATOM 1486 CB ILE A 201 12.549 -17.552 33.391 1.00 23.54 ATOM 1487 CG1 ILE A 201 11.023 -15.688 33.897 1.00 16.69 ATOM 1487 CG1 ILE A 201 11.023 -15.688 33.897 1.00 16.69 ATOM 1489 CG2 ILE A 201 9.613 -15.688 33.897 1.00 16.69 ATOM 1489 CG2 ILE A 201 9.613 -15.688 33.096 1.00 38.11 ATOM 1489 CG2 ILE A 201 9.613 -15.688 33.096 1.00 38.11 ATOM 1490 C ILE A 201 13.394 -15.625 34.626 1.00 17.67 ATOM 1491 O ILE A 201 13.394 -15.625 34.626 1.00 17.67 ATOM 1492 N ARG A 202 14.218 -14.183 33.790 1.00 26.56 ATOM 1492 N ARG A 202 14.218 -14.617 34.353 1.00 16.91 ATOM 1493 CA ARG A 202 14.218 -14.617 34.353 1.00 16.91 ATOM 1494 CB ARG A 202 14.218 -14.617 34.353 1.00 16.91 ATOM 1495 CG ARG A 202 14.218 -14.617 34.353 1.00 16.69 ATOM 1499 NH1 ARG A 202 19.494 -16.112 35.342 1.00 57.70 ATOM 1498 CZ ARG A 202 19.494 -16.510 34.134 1.00 61.66 ATOM 1499 NH1 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1499 NH1 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1499 NH1 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1500 NH2 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1501 C ARG A 202 19.549 -15.798 33.063 1.00 61.66 ATOM 1503 N HIS A 203 14.431 -12.604 37.207 1.00 18.91 ATOM 1504 CA HIS A 203 13.806 -11.436 37.870 1.00 18.91 ATOM 1505 CB HIS A 203 13.806 -11.436 37.870 1.00 18.84 ATOM 1505 CB HIS A 203 13.806 -11	MOTA	1471	CZ	ARG	Α	199	7.852	-16.844	27.777	1.00 51.98
ATOM 1474 C ARG A 199 11.133 -20.718 31.161 1.00 32.26 ATOM 1475 O ARG A 199 10.541 -21.045 32.190 1.00 25.30 ATOM 1476 N LEU A 200 12.327 -20.133 31.142 1.00 25.66 ATOM 1477 CA LEU A 200 13.010 -19.678 32.340 1.00 25.37 ATOM 1478 CB LEU A 200 14.414 -20.256 32.468 1.00 37.98 ATOM 1479 CG LEU A 200 14.511 -21.782 32.585 1.00 50.45 ATOM 1480 CD1 LEU A 200 15.956 -22.239 32.447 1.00 66.02 ATOM 1481 CD2 LEU A 200 13.911 -22.270 33.899 1.00 46.72 ATOM 1482 C LEU A 200 13.058 -18.146 32.323 1.00 26.91 ATOM 1483 O LEU A 200 13.521 -17.544 31.358 1.00 22.85 ATOM 1484 N ILE A 201 12.549 -17.552 33.391 1.00 23.54 ATOM 1485 CA ILE A 201 12.463 -16.102 33.528 1.00 16.69 ATOM 1486 CB ILE A 201 11.023 -15.688 33.897 1.00 18.39 ATOM 1488 CD1 ILE A 201 9.983 -16.468 33.096 1.00 32.11 ATOM 1488 CD1 ILE A 201 9.983 -16.468 33.096 1.00 32.11 ATOM 1489 CG2 ILE A 201 10.814 -14.183 33.790 1.00 26.56 ATOM 1490 C ILE A 201 13.394 -15.625 34.626 1.00 17.67 ATOM 1491 O ILE A 201 13.394 -15.625 34.626 1.00 17.67 ATOM 1492 N ARG A 202 15.020 -14.076 35.443 1.00 16.69 ATOM 1493 CA ARG A 202 15.020 -14.076 35.443 1.00 13.64 ATOM 1494 CB ARG A 202 15.020 -14.076 35.443 1.00 13.64 ATOM 1495 CG ARG A 202 17.322 -15.053 34.928 1.00 33.93 ATOM 1497 NE ARG A 202 19.494 -16.112 35.342 1.00 57.70 ATOM 1498 CD ARG A 202 19.494 -16.112 35.342 1.00 57.70 ATOM 1499 NH1 ARG A 202 19.494 -16.510 33.994 1.00 61.66 ATOM 1499 NH2 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1497 NE ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1498 CZ ARG A 202 19.494 -16.510 33.994 1.00 61.66 ATOM 1500 NH2 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1501 C ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1501 C ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1501 C ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1501 C ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1501 C ARG A 202 19.549 -15.798 33.063 1.00 61.66 ATOM 1503 N HIS A 203 13.836 -11.436 37.870 1.00 18.91 ATOM 1505 CB HIS A 203 13.836 -11.436 37.870 1.00 18.91	MOTA	1472	NH1	ARG	Α	199	7.744	-15.728	28.495	1.00 21.30
ATOM 1475 O ARG A 199 10.541 -21.045 32.190 1.00 25.30 ATOM 1476 N LEU A 200 12.327 -20.133 31.142 1.00 25.66 ATOM 1477 CA LEU A 200 13.010 -19.678 32.340 1.00 25.37 ATOM 1478 CB LEU A 200 14.414 -20.256 32.468 1.00 37.98 ATOM 1479 CG LEU A 200 14.511 -21.782 32.585 1.00 50.45 ATOM 1480 CD1 LEU A 200 15.956 -22.239 32.447 1.00 66.02 ATOM 1481 CD2 LEU A 200 13.911 -22.270 33.899 1.00 46.72 ATOM 1482 C LEU A 200 13.058 -18.146 32.323 1.00 26.91 ATOM 1483 O LEU A 200 13.521 -17.544 31.358 1.00 22.85 ATOM 1484 N ILE A 201 12.549 -17.552 33.391 1.00 23.54 ATOM 1485 CA ILE A 201 12.549 -17.552 33.391 1.00 23.54 ATOM 1486 CB ILE A 201 12.463 -16.102 33.528 1.00 16.69 ATOM 1487 CG1 ILE A 201 11.023 -15.688 33.897 1.00 18.39 ATOM 1488 CD1 ILE A 201 9.983 -16.468 33.096 1.00 32.11 ATOM 1489 CG2 ILE A 201 9.613 -15.818 31.788 1.00 38.11 ATOM 1489 CG2 ILE A 201 10.814 -14.183 33.790 1.00 26.56 ATOM 1490 C ILE A 201 13.380 -16.158 35.732 1.00 23.89 ATOM 1491 O ILE A 201 13.380 -16.158 35.732 1.00 23.89 ATOM 1492 N ARG A 202 14.218 -14.617 34.353 1.00 16.91 ATOM 1493 CA ARG A 202 15.020 -14.076 35.443 1.00 13.64 ATOM 1496 CD ARG A 202 16.465 -13.807 35.065 1.00 23.89 ATOM 1497 NE ARG A 202 16.465 -13.807 35.065 1.00 20.15 ATOM 1499 CD ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1499 NH ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1499 NH ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1499 NH ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1499 NH ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1500 NH2 ARG A 202 19.879 -16.510 33.984 1.00 69.32 ATOM 1501 C ARG A 202 19.879 -16.510 33.984 1.00 69.32 ATOM 1500 NH2 ARG A 202 19.879 -16.510 33.984 1.00 69.32 ATOM 1500 NH2 ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1500 NH2 ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1500 NH2 ARG A 202 19.879 -15.798 33.063 1.00 39.90 ATOM 1500 NH2 ARG A 202 19.879 -15.798 33.063 1.00 39.90 ATOM 1500 NH2 ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1500 NH2 ARG A 203 14.431 -12.604 37.207 1.00 18.91	MOTA	1473	NH2	ARG	Α	199	6.920	-17.196	26.901	1.00 32.81
ATOM 1476 N LEU A 200	MOTA	1474	С	ARG	Α	199	11.133	-20.718	31.161	1.00 32.26
ATOM 1477 CA LEU A 200 13.010 -19.678 32.340 1.00 25.37 ATOM 1478 CB LEU A 200 14.414 -20.256 32.468 1.00 37.98 ATOM 1479 CG LEU A 200 14.511 -21.782 32.585 1.00 50.45 ATOM 1480 CD1 LEU A 200 15.956 -22.239 32.447 1.00 66.02 ATOM 1481 CD2 LEU A 200 13.911 -22.270 33.899 1.00 46.72 ATOM 1482 C LEU A 200 13.058 -18.146 32.323 1.00 26.91 ATOM 1483 O LEU A 200 13.551 -17.554 33.391 1.00 22.85 ATOM 1484 N ILE A 201 12.549 -17.552 33.391 1.00 23.54 ATOM 1485 CA ILE A 201 12.549 -17.552 33.391 1.00 23.54 ATOM 1486 CB ILE A 201 12.549 -17.552 33.391 1.00 32.11 ATOM 1487 CG1 ILE A 201 11.023 -15.688 33.897 1.00 16.69 ATOM 1488 CD1 ILE A 201 9.983 -16.468 33.096 1.00 32.11 ATOM 1489 CG2 ILE A 201 9.983 -16.468 33.096 1.00 32.11 ATOM 1489 CG2 ILE A 201 10.814 -14.183 33.790 1.00 26.56 ATOM 1490 C ILE A 201 13.380 -16.158 35.732 1.00 23.89 ATOM 1491 O ILE A 201 13.380 -16.158 35.732 1.00 23.89 ATOM 1492 N ARG A 202 14.218 -14.617 34.353 1.00 16.91 ATOM 1494 CB ARG A 202 14.218 -14.617 34.353 1.00 16.91 ATOM 1495 CG ARG A 202 14.218 -14.617 34.353 1.00 16.91 ATOM 1496 CD ARG A 202 17.322 -15.053 34.928 1.00 33.93 ATOM 1497 NE ARG A 202 18.698 -14.896 35.558 1.00 44.89 ATOM 1499 NH1 ARG A 202 19.494 -16.112 35.342 1.00 57.70 ATOM 1499 NH1 ARG A 202 19.494 -16.112 35.342 1.00 57.70 ATOM 1499 NH1 ARG A 202 19.494 -16.112 35.342 1.00 57.70 ATOM 1499 NH1 ARG A 202 19.494 -16.112 35.342 1.00 69.32 ATOM 1500 NH2 ARG A 202 19.494 -16.112 35.342 1.00 69.32 ATOM 1500 NH2 ARG A 202 19.494 -16.112 35.342 1.00 69.32 ATOM 1500 NH2 ARG A 202 19.494 -16.112 35.342 1.00 69.32 ATOM 1500 NH2 ARG A 202 19.596 -17.615 33.984 1.00 14.26 ATOM 1500 NH2 ARG A 202 19.596 -17.615 33.984 1.00 18.91 ATOM 1500 NH2 ARG A 202 19.494 -16.112 35.342 1.00 69.32 ATOM 1500 NH2 ARG A 202 19.596 -17.615 33.984 1.00 69.32 ATOM 1500 NH2 ARG A 202 19.596 -17.615 33.984 1.00 19.64 ATOM 1500 NH2 ARG A 202 19.494 -16.112 35.905 1.00 20.61 ATOM 1500 NH2 ARG A 202 19.494 -16.112 35.905 1.00 18.91 ATOM 1500 NH2 ARG A 202 19.494 -16.112 35.905 1.00 18.64 ATOM 1500 C A HIS	MOTA	1475	0	ARG	Α	199	10.541	-21.045		1.00 25.30
ATOM 1478 CB LEU A 200 14.414 -20.256 32.468 1.00 37.98 ATOM 1479 CG LEU A 200 14.511 -21.782 32.585 1.00 50.45 ATOM 1480 CD1 LEU A 200 15.956 -22.239 32.447 1.00 66.02 ATOM 1481 CD2 LEU A 200 13.911 -22.270 33.899 1.00 46.72 ATOM 1482 C LEU A 200 13.058 -18.146 32.323 1.00 26.91 ATOM 1483 O LEU A 200 13.521 -17.544 31.358 1.00 22.85 ATOM 1484 N ILE A 201 12.549 -17.552 33.391 1.00 23.54 ATOM 1485 CA ILE A 201 12.549 -17.552 33.391 1.00 23.54 ATOM 1486 CB ILE A 201 12.663 -16.102 33.528 1.00 16.69 ATOM 1487 CG1 ILE A 201 11.023 -15.688 33.096 1.00 32.11 ATOM 1488 CD1 ILE A 201 9.983 -16.468 33.096 1.00 32.11 ATOM 1489 CG2 ILE A 201 9.983 -16.468 33.096 1.00 32.11 ATOM 1489 CG2 ILE A 201 10.814 -14.183 33.790 1.00 26.56 ATOM 1490 C ILE A 201 13.394 -15.625 34.626 1.00 17.67 ATOM 1491 O ILE A 201 13.394 -15.625 34.626 1.00 17.67 ATOM 1492 N ARG A 202 15.020 -14.076 35.443 1.00 13.64 ATOM 1494 CB ARG A 202 15.020 -14.076 35.443 1.00 13.64 ATOM 1495 CG ARG A 202 15.020 -14.076 35.443 1.00 13.64 ATOM 1495 CG ARG A 202 15.020 -14.076 35.443 1.00 13.64 ATOM 1496 CD ARG A 202 17.322 -15.053 34.928 1.00 33.93 ATOM 1496 CD ARG A 202 17.322 -15.053 34.928 1.00 33.93 ATOM 1496 CD ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1499 NH1 ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1499 NH1 ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1499 NH1 ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1499 NH1 ARG A 202 19.879 -16.510 33.984 1.00 39.90 ATOM 1500 NH2 ARG A 202 19.879 -16.510 33.984 1.00 69.32 ATOM 1501 C ARG A 202 19.879 -15.798 33.063 1.00 39.90 ATOM 1500 NH2 ARG A 202 19.879 -16.510 33.984 1.00 69.32 ATOM 1501 C ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1502 O ARG A 202 19.879 -16.510 33.984 1.00 69.32 ATOM 1501 C ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1500 NH2 ARG A 202 19.879 -16.510 33.984 1.00 14.26 ATOM 1500 C ARG A 202 19.879 -16.510 33.984 1.00 18.91 ATOM 1500 C ARG A 202 19.879 -16.510 33.984 1.00 14.26 ATOM 1500 C ARG A 202 19.879 -16.510 33.984 1.00 18.91 ATOM 1500 C ARG A 202 19.879 -16	ATOM	1476	N	LEU	Α	200	12.327	-20.133	31.142	1.00 25.66
ATOM 1479 CG LEU A 200 14.511 -21.782 32.585 1.00 50.45 ATOM 1480 CD1 LEU A 200 15.956 -22.239 32.447 1.00 66.02 ATOM 1481 CD2 LEU A 200 13.911 -22.270 33.899 1.00 46.72 ATOM 1482 C LEU A 200 13.058 -18.146 32.323 1.00 26.91 ATOM 1483 O LEU A 200 13.551 -17.544 31.358 1.00 22.85 ATOM 1484 N ILE A 201 12.549 -17.552 33.391 1.00 23.54 ATOM 1485 CA ILE A 201 12.463 -16.102 33.528 1.00 16.69 ATOM 1486 CB ILE A 201 11.023 -15.688 33.897 1.00 18.39 ATOM 1487 CG1 ILE A 201 9.983 -16.468 33.096 1.00 32.11 ATOM 1488 CD1 ILE A 201 9.613 -15.818 31.788 1.00 38.11 ATOM 1489 CG2 ILE A 201 10.814 -14.183 33.790 1.00 26.56 ATOM 1490 C ILE A 201 13.394 -15.625 34.626 1.00 17.67 ATOM 1491 O ILE A 201 13.380 -16.158 35.732 1.00 23.89 ATOM 1492 N ARG A 202 14.218 -14.617 34.353 1.00 16.91 ATOM 1494 CB ARG A 202 15.020 -14.076 35.443 1.00 13.64 ATOM 1495 CG ARG A 202 16.465 -13.807 35.065 1.00 20.15 ATOM 1496 CD ARG A 202 17.322 -15.053 34.928 1.00 33.93 ATOM 1497 NE ARG A 202 19.494 -16.112 35.342 1.00 57.70 ATOM 1499 NH1 ARG A 202 19.494 -16.112 35.342 1.00 69.32 ATOM 1499 NH1 ARG A 202 19.494 -16.112 35.342 1.00 69.32 ATOM 1499 NH1 ARG A 202 19.494 -16.112 35.342 1.00 69.32 ATOM 1499 NH1 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1499 NH1 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1500 NH2 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1501 C ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1500 NH2 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1501 C ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1501 C ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1500 NH2 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1501 C ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1500 NH2 ARG A 202 19.549 -16.510 34.134 1.00 61.66 ATOM 1503 N HIS A 203 13.836 -11.436 37.870 1.00 18.91 ATOM 1500 CB HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1500 CB HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1505 CB HIS A 203 13.836 -11.436 37.870 1.00 18.64	MOTA	1477	CA	LEU	Α	200	13.010	-19.678	32.340	1.00 25.37
ATOM 1480 CD1 LEU A 200 15.956 -22.239 32.447 1.00 66.02 ATOM 1481 CD2 LEU A 200 13.911 -22.270 33.899 1.00 46.72 ATOM 1482 C LEU A 200 13.058 -18.146 32.323 1.00 26.91 ATOM 1483 O LEU A 200 13.521 -17.544 31.358 1.00 22.85 ATOM 1484 N ILE A 201 12.549 -17.552 33.391 1.00 23.54 ATOM 1485 CA ILE A 201 12.463 -16.102 33.528 1.00 16.69 ATOM 1486 CB ILE A 201 11.023 -15.688 33.897 1.00 18.39 ATOM 1487 CG1 ILE A 201 99.83 -16.468 33.096 1.00 32.11 ATOM 1488 CD1 ILE A 201 9.613 -15.818 31.788 1.00 26.56 ATOM 1489 CG2 ILE A 201 10.814 -14.183 33.790 1.00 26.56 ATOM 1490 C ILE A 201 13.394 -15.625 34.626 1.00 17.67 ATOM 1491 O ILE A 201 13.380 -16.158 35.732 1.00 23.89 ATOM 1492 N ARG A 202 14.218 -14.617 34.353 1.00 16.91 ATOM 1494 CB ARG A 202 15.020 -14.076 35.443 1.00 13.64 ATOM 1495 CG ARG A 202 17.322 -15.053 34.928 1.00 20.15 ATOM 1496 CD ARG A 202 17.322 -15.053 34.928 1.00 33.93 ATOM 1497 NE ARG A 202 18.698 -14.896 35.558 1.00 44.89 ATOM 1499 NH1 ARG A 202 19.494 -16.112 35.342 1.00 57.70 ATOM 1499 NH1 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1499 NH1 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1500 NH2 ARG A 202 19.579 -16.510 34.134 1.00 69.32 ATOM 1501 C ARG A 202 19.579 -16.510 34.134 1.00 69.32 ATOM 1500 NH2 ARG A 202 19.596 -17.615 33.984 1.00 69.32 ATOM 1501 C ARG A 202 19.596 -17.615 33.984 1.00 69.32 ATOM 1500 NH2 ARG A 202 19.596 -17.615 33.984 1.00 18.64 ATOM 1500 CB HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1500 CB HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1500 CB HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1500 CB HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1500 CB HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1500 CB HIS A 203 13.836 -11.436 37.870 1.00 18.64	MOTA	1478	CB	LEU	Α	200	14.414	-20.256	32.468	1.00 37.98
ATOM 1481 CD1 LEU A 200	ATOM	1479	CG	LEU	Α	200	14.511	-21.782		1.00 50.45
ATOM 1481 CD2 LEU A 200 13.911 -22.270 33.899 1.00 46.72 ATOM 1482 C LEU A 200 13.058 -18.146 32.323 1.00 26.91 ATOM 1483 O LEU A 200 13.521 -17.544 31.358 1.00 22.85 ATOM 1484 N ILE A 201 12.549 -17.552 33.391 1.00 23.54 ATOM 1485 CA ILE A 201 12.463 -16.102 33.528 1.00 16.69 ATOM 1486 CB ILE A 201 11.023 -15.688 33.897 1.00 18.39 ATOM 1487 CG1 ILE A 201 9.983 -16.468 33.096 1.00 32.11 ATOM 1488 CD1 ILE A 201 9.613 -15.818 31.788 1.00 38.11 ATOM 1489 CG2 ILE A 201 10.814 -14.183 33.790 1.00 26.56 ATOM 1490 C ILE A 201 13.394 -15.625 34.626 1.00 17.67 ATOM 1491 O ILE A 201 13.380 -16.158 35.732 1.00 23.89 ATOM 1492 N ARG A 202 14.218 -14.617 34.353 1.00 16.91 ATOM 1493 CA ARG A 202 15.020 -14.076 35.443 1.00 13.64 ATOM 1495 CG ARG A 202 15.020 -14.076 35.443 1.00 33.93 ATOM 1496 CD ARG A 202 17.322 -15.053 34.928 1.00 33.93 ATOM 1497 NE ARG A 202 17.322 -15.053 34.928 1.00 33.93 ATOM 1498 CZ ARG A 202 19.494 -16.112 35.342 1.00 57.70 ATOM 1499 NH1 ARG A 202 19.494 -16.112 35.342 1.00 57.70 ATOM 1499 NH1 ARG A 202 19.494 -16.112 35.342 1.00 57.70 ATOM 1499 NH1 ARG A 202 19.494 -16.112 35.342 1.00 57.70 ATOM 1499 NH1 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1500 NH2 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1500 NH2 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1500 NH2 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1501 C ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1501 C ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1503 N HIS A 203 14.351 -12.781 35.095 1.00 20.61 ATOM 1503 N HIS A 203 14.431 -12.604 37.207 1.00 18.91 ATOM 1504 CA HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1505 CB HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1505 CB HIS A 203 13.836 -11.436 37.870 1.00 18.84 ATOM 1505 CB HIS A 203 12.711 -11.896 38.765 1.00 13.88 ATOM 1506 CG HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1505 CB HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1505 CB HIS A 203 13.836 -11.436 37.870 1.00 18.84	ATOM	1480	CD1	LEU	Α	200	15.956	-22.239		
ATOM 1482 C LEU A 200 13.058 -18.146 32.323 1.00 26.91 ATOM 1483 O LEU A 200 13.521 -17.544 31.358 1.00 22.85 ATOM 1484 N ILE A 201 12.549 -17.552 33.391 1.00 23.54 ATOM 1485 CA ILE A 201 12.463 -16.102 33.528 1.00 16.69 ATOM 1486 CB ILE A 201 11.023 -15.688 33.897 1.00 18.39 ATOM 1487 CG1 ILE A 201 9.983 -16.468 33.096 1.00 32.11 ATOM 1488 CD1 ILE A 201 9.983 -16.468 33.096 1.00 32.11 ATOM 1489 CG2 ILE A 201 10.814 -14.183 33.790 1.00 26.56 ATOM 1490 C ILE A 201 13.394 -15.625 34.626 1.00 17.67 ATOM 1491 O ILE A 201 13.394 -15.625 34.626 1.00 17.67 ATOM 1492 N ARG A 202 14.218 -14.617 34.353 1.00 16.91 ATOM 1493 CA ARG A 202 14.218 -14.617 34.353 1.00 16.91 ATOM 1494 CB ARG A 202 16.465 -13.807 35.065 1.00 20.15 ATOM 1496 CD ARG A 202 17.322 -15.053 34.928 1.00 33.93 ATOM 1496 CD ARG A 202 18.698 -14.896 35.558 1.00 44.89 ATOM 1497 NE ARG A 202 19.494 -16.112 35.342 1.00 57.70 ATOM 1498 CZ ARG A 202 19.494 -16.112 35.342 1.00 57.70 ATOM 1499 NH1 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1500 NH2 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1500 NH2 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1500 NH2 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1501 C ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1501 C ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1501 C ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1502 O ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1501 C ARG A 202 14.351 -12.781 35.905 1.00 20.61 ATOM 1503 N HIS A 203 14.431 -12.604 37.207 1.00 18.91 ATOM 1504 CA HIS A 203 14.431 -12.604 37.207 1.00 18.91 ATOM 1505 CB HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1505 CB HIS A 203 12.711 -11.896 38.765 1.00 13.88 ATOM 1506 CG HIS A 203 12.711 -11.896 38.765 1.00 13.88 ATOM 1506 CG HIS A 203 12.814 1.813 -10.917 39.426 1.00 22.44	ATOM	1481	CD2	LEU	Α	200	13.911	-22.270		
ATOM 1483 O LEU A 200 13.521 -17.544 31.358 1.00 22.85 ATOM 1484 N ILE A 201 12.549 -17.552 33.391 1.00 23.54 ATOM 1485 CA ILE A 201 12.463 -16.102 33.528 1.00 16.69 ATOM 1486 CB ILE A 201 11.023 -15.688 33.897 1.00 18.39 ATOM 1487 CG1 ILE A 201 9.983 -16.468 33.096 1.00 32.11 ATOM 1488 CD1 ILE A 201 9.983 -16.468 33.096 1.00 32.11 ATOM 1489 CG2 ILE A 201 10.814 -14.183 33.790 1.00 26.56 ATOM 1490 C ILE A 201 13.394 -15.625 34.626 1.00 17.67 ATOM 1491 O ILE A 201 13.394 -15.625 34.626 1.00 17.67 ATOM 1492 N ARG A 202 14.218 -14.617 34.353 1.00 16.91 ATOM 1493 CA ARG A 202 14.218 -14.617 34.353 1.00 16.91 ATOM 1494 CB ARG A 202 15.020 -14.076 35.443 1.00 13.64 ATOM 1495 CG ARG A 202 16.465 -13.807 35.065 1.00 20.15 ATOM 1496 CD ARG A 202 17.322 -15.053 34.928 1.00 33.93 ATOM 1497 NE ARG A 202 18.698 -14.896 35.558 1.00 44.89 ATOM 1499 NH1 ARG A 202 19.494 -16.112 35.342 1.00 57.70 ATOM 1499 NH1 ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1499 NH1 ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1500 NH2 ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1500 NH2 ARG A 202 19.879 -16.510 34.134 1.00 69.32 ATOM 1500 NH2 ARG A 202 19.879 -16.510 33.984 1.00 69.32 ATOM 1500 NH2 ARG A 202 19.879 -16.510 33.984 1.00 69.32 ATOM 1500 NH2 ARG A 202 19.879 -16.510 33.984 1.00 69.32 ATOM 1500 NH2 ARG A 202 14.351 -12.781 35.905 1.00 20.61 ATOM 1503 N HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1504 CA HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1505 CB HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1505 CB HIS A 203 12.711 -11.896 38.765 1.00 13.88 ATOM 1506 CG HIS A 203 11.813 -10.917 39.426 1.00 22.44	ATOM	1482	С	LEU	Α	200	13.058	-18.146		
ATOM 1485 CA ILE A 201 12.463 -16.102 33.528 1.00 16.69 ATOM 1486 CB ILE A 201 11.023 -15.688 33.897 1.00 18.39 ATOM 1487 CG1 ILE A 201 9.983 -16.468 33.096 1.00 32.11 ATOM 1488 CD1 ILE A 201 9.613 -15.818 31.788 1.00 38.11 ATOM 1489 CG2 ILE A 201 10.814 -14.183 33.790 1.00 26.56 ATOM 1490 C ILE A 201 13.394 -15.625 34.626 1.00 17.67 ATOM 1491 O ILE A 201 13.380 -16.158 35.732 1.00 23.89 ATOM 1492 N ARG A 202 14.218 -14.617 34.353 1.00 16.91 ATOM 1493 CA ARG A 202 15.020 -14.076 35.443 1.00 13.64 ATOM 1494 CB ARG A 202 16.465 -13.807 35.065 1.00 20.15 ATOM 1495 CG ARG A 202 17.322 -15.053 34.928 1.00 33.93 ATOM 1496 CD ARG A 202 18.698 -14.896 35.558 1.00 44.89 ATOM 1497 NE ARG A 202 19.494 -16.112 35.342 1.00 57.70 ATOM 1498 CZ ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1499 NH1 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1500 NH2 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1501 C ARG A 202 14.351 -12.781 35.905 1.00 20.61 ATOM 1503 N HIS A 203 14.431 -12.604 37.207 1.00 18.91 ATOM 1504 CA HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1505 CB HIS A 203 12.711 -11.896 38.765 1.00 13.88 ATOM 1505 CB HIS A 203 12.711 -11.896 38.765 1.00 13.88 ATOM 1506 CG HIS A 203 11.813 -10.917 39.426 1.00 22.44	ATOM	1483	0	LEU	Α	200	13.521	-17.544	31.358	1.00 22.85
ATOM 1486 CB ILE A 201 11.023 -15.688 33.897 1.00 18.39 ATOM 1487 CG1 ILE A 201 9.983 -16.468 33.096 1.00 32.11 ATOM 1488 CD1 ILE A 201 9.613 -15.818 31.788 1.00 38.11 ATOM 1489 CG2 ILE A 201 10.814 -14.183 33.790 1.00 26.56 ATOM 1490 C ILE A 201 13.394 -15.625 34.626 1.00 17.67 ATOM 1491 O ILE A 201 13.380 -16.158 35.732 1.00 23.89 ATOM 1492 N ARG A 202 14.218 -14.617 34.353 1.00 16.91 ATOM 1493 CA ARG A 202 15.020 -14.076 35.443 1.00 13.64 ATOM 1494 CB ARG A 202 16.465 -13.807 35.065 1.00 20.15 ATOM 1495 CG ARG A 202 17.322 -15.053 34.928 1.00 33.93 ATOM 1496 CD ARG A 202 18.698 -14.896 35.558 1.00 44.89 ATOM 1497 NE ARG A 202 19.494 -16.112 35.342 1.00 57.70 ATOM 1498 CZ ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1499 NH1 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1500 NH2 ARG A 202 14.351 -12.781 35.905 1.00 20.61 ATOM 1501 C ARG A 202 14.351 -12.781 35.905 1.00 20.61 ATOM 1503 N HIS A 203 14.431 -12.604 37.207 1.00 18.91 ATOM 1504 CA HIS A 203 14.431 -12.604 37.207 1.00 18.91 ATOM 1505 CB HIS A 203 12.711 -11.896 38.765 1.00 13.88 ATOM 1506 CG HIS A 203 11.813 -10.917 39.426 1.00 22.44	ATOM	1484	N	ILE	Α	201	12.549	-17.552	33.391	1.00 23.54
ATOM 1487 CG1 ILE A 201 9.983 -16.468 33.096 1.00 32.11 ATOM 1488 CD1 ILE A 201 9.613 -15.818 31.788 1.00 38.11 ATOM 1489 CG2 ILE A 201 10.814 -14.183 33.790 1.00 26.56 ATOM 1490 C ILE A 201 13.394 -15.625 34.626 1.00 17.67 ATOM 1491 O ILE A 201 13.380 -16.158 35.732 1.00 23.89 ATOM 1492 N ARG A 202 14.218 -14.617 34.353 1.00 16.91 ATOM 1493 CA ARG A 202 15.020 -14.076 35.443 1.00 13.64 ATOM 1494 CB ARG A 202 16.465 -13.807 35.065 1.00 20.15 ATOM 1495 CG ARG A 202 17.322 -15.053 34.928 1.00 33.93 ATOM 1496 CD ARG A 202 18.698 -14.896 35.558 1.00 44.89 ATOM 1497 NE ARG A 202 19.494 -16.112 35.342 1.00 57.70 ATOM 1498 CZ ARG A 202 19.494 -16.112 35.342 1.00 57.70 ATOM 1499 NH1 ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1499 NH1 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1500 NH2 ARG A 202 19.596 -17.615 33.984 1.00 69.32 ATOM 1501 C ARG A 202 14.351 -12.781 35.905 1.00 20.61 ATOM 1502 O ARG A 202 13.802 -12.033 35.094 1.00 14.26 ATOM 1503 N HIS A 203 14.431 -12.604 37.207 1.00 18.91 ATOM 1504 CA HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1505 CB HIS A 203 12.711 -11.896 38.765 1.00 13.88 ATOM 1506 CG HIS A 203 11.813 -10.917 39.426 1.00 22.44	ATOM	1485	CA	ILE	Α	201	12.463	-16.102	33.528	1.00 16.69
ATOM 1488 CD1 ILE A 201 9.613 -15.818 31.788 1.00 38.11 ATOM 1489 CG2 ILE A 201 10.814 -14.183 33.790 1.00 26.56 ATOM 1490 C ILE A 201 13.394 -15.625 34.626 1.00 17.67 ATOM 1491 O ILE A 201 13.380 -16.158 35.732 1.00 23.89 ATOM 1492 N ARG A 202 14.218 -14.617 34.353 1.00 16.91 ATOM 1493 CA ARG A 202 15.020 -14.076 35.443 1.00 13.64 ATOM 1494 CB ARG A 202 16.465 -13.807 35.065 1.00 20.15 ATOM 1495 CG ARG A 202 17.322 -15.053 34.928 1.00 33.93 ATOM 1496 CD ARG A 202 18.698 -14.896 35.558 1.00 44.89 ATOM 1497 NE ARG A 202 19.494 -16.112 35.342 1.00 57.70 ATOM 1498 CZ ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1499 NH1 ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1500 NH2 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1501 C ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1501 C ARG A 202 14.351 -12.781 35.905 1.00 20.61 ATOM 1503 N HIS A 203 14.431 -12.604 37.207 1.00 18.91 ATOM 1504 CA HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1505 CB HIS A 203 12.711 -11.896 38.765 1.00 13.88 ATOM 1505 CB HIS A 203 12.711 -11.896 38.765 1.00 22.44	MOTA	1486	CB	ILE	Α	201	11.023	-15.688	33.897	1.00 18.39
ATOM 1489 CG2 ILE A 201 10.814 -14.183 33.790 1.00 26.56 ATOM 1490 C ILE A 201 13.394 -15.625 34.626 1.00 17.67 ATOM 1491 O ILE A 201 13.380 -16.158 35.732 1.00 23.89 ATOM 1492 N ARG A 202 14.218 -14.617 34.353 1.00 16.91 ATOM 1493 CA ARG A 202 15.020 -14.076 35.443 1.00 13.64 ATOM 1494 CB ARG A 202 16.465 -13.807 35.065 1.00 20.15 ATOM 1495 CG ARG A 202 17.322 -15.053 34.928 1.00 33.93 ATOM 1496 CD ARG A 202 18.698 -14.896 35.558 1.00 44.89 ATOM 1497 NE ARG A 202 19.494 -16.112 35.342 1.00 57.70 ATOM 1498 CZ ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1499 NH1 ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1499 NH2 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1500 NH2 ARG A 202 20.596 -17.615 33.984 1.00 69.32 ATOM 1501 C ARG A 202 14.351 -12.781 35.905 1.00 20.61 ATOM 1503 N HIS A 203 14.431 -12.604 37.207 1.00 18.91 ATOM 1504 CA HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1505 CB HIS A 203 12.711 -11.896 38.765 1.00 13.88 ATOM 1506 CG HIS A 203 11.813 -10.917 39.426 1.00 22.44	MOTA	1487	CG1	ILE	Α	201	9.983	-16.468	33.096	1.00 32.11
ATOM 1489 CG2 ILE A 201 10.814 -14.183 33.790 1.00 26.56 ATOM 1490 C ILE A 201 13.394 -15.625 34.626 1.00 17.67 ATOM 1491 O ILE A 201 13.380 -16.158 35.732 1.00 23.89 ATOM 1492 N ARG A 202 14.218 -14.617 34.353 1.00 16.91 ATOM 1493 CA ARG A 202 15.020 -14.076 35.443 1.00 13.64 ATOM 1494 CB ARG A 202 16.465 -13.807 35.065 1.00 20.15 ATOM 1495 CG ARG A 202 17.322 -15.053 34.928 1.00 33.93 ATOM 1496 CD ARG A 202 18.698 -14.896 35.558 1.00 44.89 ATOM 1497 NE ARG A 202 19.494 -16.112 35.342 1.00 57.70 ATOM 1498 CZ ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1499 NH1 ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1499 NH2 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1500 NH2 ARG A 202 20.596 -17.615 33.984 1.00 69.32 ATOM 1501 C ARG A 202 14.351 -12.781 35.905 1.00 20.61 ATOM 1503 N HIS A 203 14.431 -12.604 37.207 1.00 18.91 ATOM 1504 CA HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1505 CB HIS A 203 12.711 -11.896 38.765 1.00 13.88 ATOM 1506 CG HIS A 203 11.813 -10.917 39.426 1.00 22.44	ATOM	1488	CD1	ILE	Α	201	9.613	-15.818	31.788	1.00 38.11
ATOM 1491 O ILE A 201 13.380 -16.158 35.732 1.00 23.89 ATOM 1492 N ARG A 202 14.218 -14.617 34.353 1.00 16.91 ATOM 1493 CA ARG A 202 15.020 -14.076 35.443 1.00 13.64 ATOM 1494 CB ARG A 202 16.465 -13.807 35.065 1.00 20.15 ATOM 1495 CG ARG A 202 17.322 -15.053 34.928 1.00 33.93 ATOM 1496 CD ARG A 202 18.698 -14.896 35.558 1.00 44.89 ATOM 1497 NE ARG A 202 19.494 -16.112 35.342 1.00 57.70 ATOM 1498 CZ ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1499 NH1 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1500 NH2 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1501 C ARG A 202 20.596 -17.615 33.984 1.00 69.32 ATOM 1502 O ARG A 202 14.351 -12.781 35.905 1.00 20.61 ATOM 1503 N HIS A 203 14.431 -12.604 37.207 1.00 18.91 ATOM 1504 CA HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1505 CB HIS A 203 12.711 -11.896 38.765 1.00 13.88 ATOM 1506 CG HIS A 203 11.813 -10.917 39.426 1.00 22.44	MOTA	1489	CG2	ILE	Α	201	10.814	-14.183	33.790	
ATOM 1492 N ARG A 202 14.218 -14.617 34.353 1.00 16.91 ATOM 1493 CA ARG A 202 15.020 -14.076 35.443 1.00 13.64 ATOM 1494 CB ARG A 202 16.465 -13.807 35.065 1.00 20.15 ATOM 1495 CG ARG A 202 17.322 -15.053 34.928 1.00 33.93 ATOM 1496 CD ARG A 202 18.698 -14.896 35.558 1.00 44.89 ATOM 1497 NE ARG A 202 19.494 -16.112 35.342 1.00 57.70 ATOM 1498 CZ ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1499 NH1 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1500 NH2 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1501 C ARG A 202 20.596 -17.615 33.984 1.00 69.32 ATOM 1502 O ARG A 202 14.351 -12.781 35.905 1.00 20.61 ATOM 1503 N HIS A 203 14.431 -12.604 37.207 1.00 18.91 ATOM 1504 CA HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1505 CB HIS A 203 12.711 -11.896 38.765 1.00 13.88 ATOM 1506 CG HIS A 203 11.813 -10.917 39.426 1.00 22.44	ATOM	1490	С	ILE	Α	201	13.394	-15.625	34.626	1.00 17.67
ATOM 1493 CA ARG A 202 15.020 -14.076 35.443 1.00 13.64 ATOM 1494 CB ARG A 202 16.465 -13.807 35.065 1.00 20.15 ATOM 1495 CG ARG A 202 17.322 -15.053 34.928 1.00 33.93 ATOM 1496 CD ARG A 202 18.698 -14.896 35.558 1.00 44.89 ATOM 1497 NE ARG A 202 19.494 -16.112 35.342 1.00 57.70 ATOM 1498 CZ ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1499 NH1 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1500 NH2 ARG A 202 20.596 -17.615 33.984 1.00 69.32 ATOM 1501 C ARG A 202 14.351 -12.781 35.905 1.00 20.61 ATOM 1502 O ARG A 202 14.351 -12.781 35.905 1.00 20.61 ATOM 1503 N HIS A 203 14.431 -12.604 37.207 1.00 18.91 ATOM 1504 CA HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1505 CB HIS A 203 12.711 -11.896 38.765 1.00 13.88 ATOM 1506 CG HIS A 203 11.813 -10.917 39.426 1.00 22.44	ATOM	1491	0	ILE	А	201	13.380	-16.158	35.732	1.00 23.89
ATOM 1494 CB ARG A 202 16.465 -13.807 35.065 1.00 20.15 ATOM 1495 CG ARG A 202 17.322 -15.053 34.928 1.00 33.93 ATOM 1496 CD ARG A 202 18.698 -14.896 35.558 1.00 44.89 ATOM 1497 NE ARG A 202 19.494 -16.112 35.342 1.00 57.70 ATOM 1498 CZ ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1499 NH1 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1500 NH2 ARG A 202 20.596 -17.615 33.984 1.00 69.32 ATOM 1501 C ARG A 202 14.351 -12.781 35.905 1.00 20.61 ATOM 1502 O ARG A 202 14.351 -12.781 35.905 1.00 20.61 ATOM 1503 N HIS A 203 14.431 -12.604 37.207 1.00 18.91 ATOM 1504 CA HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1505 CB HIS A 203 12.711 -11.896 38.765 1.00 13.88 ATOM 1506 CG HIS A 203 11.813 -10.917 39.426 1.00 22.44	ATOM	1492	N	ARG	Α	202	14.218	-14.617	34.353	1.00 16.91
ATOM 1495 CG ARG A 202 17.322 -15.053 34.928 1.00 33.93 ATOM 1496 CD ARG A 202 18.698 -14.896 35.558 1.00 44.89 ATOM 1497 NE ARG A 202 19.494 -16.112 35.342 1.00 57.70 ATOM 1498 CZ ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1499 NH1 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1500 NH2 ARG A 202 20.596 -17.615 33.984 1.00 69.32 ATOM 1501 C ARG A 202 14.351 -12.781 35.905 1.00 20.61 ATOM 1502 O ARG A 202 13.802 -12.033 35.094 1.00 14.26 ATOM 1503 N HIS A 203 14.431 -12.604 37.207 1.00 18.91 ATOM 1504 CA HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1505 CB HIS A 203 12.711 -11.896 38.765 1.00 13.88 ATOM 1506 CG HIS A 203 11.813 -10.917 39.426 1.00 22.44	ATOM	1493	CA	ARG	Α	202	15.020	-14.076	35.443	1.00 13.64
ATOM 1496 CD ARG A 202 18.698 -14.896 35.558 1.00 44.89 ATOM 1497 NE ARG A 202 19.494 -16.112 35.342 1.00 57.70 ATOM 1498 CZ ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1499 NH1 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1500 NH2 ARG A 202 20.596 -17.615 33.984 1.00 69.32 ATOM 1501 C ARG A 202 14.351 -12.781 35.905 1.00 20.61 ATOM 1502 O ARG A 202 13.802 -12.033 35.094 1.00 14.26 ATOM 1503 N HIS A 203 14.431 -12.604 37.207 1.00 18.91 ATOM 1504 CA HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1505 CB HIS A 203 12.711 -11.896 38.765 1.00 13.88 ATOM 1506 CG HIS A 203 11.813 -10.917 39.426 1.00 22.44	ATOM	1494	CB	ARG	Α	202	16.465	-13.807	35.065	1.00 20.15
ATOM 1497 NE ARG A 202 19.494 -16.112 35.342 1.00 57.70 ATOM 1498 CZ ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1499 NH1 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1500 NH2 ARG A 202 20.596 -17.615 33.984 1.00 69.32 ATOM 1501 C ARG A 202 14.351 -12.781 35.905 1.00 20.61 ATOM 1502 O ARG A 202 13.802 -12.033 35.094 1.00 14.26 ATOM 1503 N HIS A 203 14.431 -12.604 37.207 1.00 18.91 ATOM 1504 CA HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1505 CB HIS A 203 12.711 -11.896 38.765 1.00 13.88 ATOM 1506 CG HIS A 203 11.813 -10.917 39.426 1.00 22.44	ATOM	1495	CG	ARG	Α	202	17.322	-15.053	34.928	1.00 33.93
ATOM 1498 CZ ARG A 202 19.879 -16.510 34.134 1.00 61.66 ATOM 1499 NH1 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1500 NH2 ARG A 202 20.596 -17.615 33.984 1.00 69.32 ATOM 1501 C ARG A 202 14.351 -12.781 35.905 1.00 20.61 ATOM 1502 O ARG A 202 13.802 -12.033 35.094 1.00 14.26 ATOM 1503 N HIS A 203 14.431 -12.604 37.207 1.00 18.91 ATOM 1504 CA HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1505 CB HIS A 203 12.711 -11.896 38.765 1.00 13.88 ATOM 1506 CG HIS A 203 11.813 -10.917 39.426 1.00 22.44	ATOM	1496	CD	ARG	Α	202	18.698	-14.896	35.558	1.00 44.89
ATOM 1499 NH1 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1500 NH2 ARG A 202 20.596 -17.615 33.984 1.00 69.32 ATOM 1501 C ARG A 202 14.351 -12.781 35.905 1.00 20.61 ATOM 1502 O ARG A 202 13.802 -12.033 35.094 1.00 14.26 ATOM 1503 N HIS A 203 14.431 -12.604 37.207 1.00 18.91 ATOM 1504 CA HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1505 CB HIS A 203 12.711 -11.896 38.765 1.00 13.88 ATOM 1506 CG HIS A 203 11.813 -10.917 39.426 1.00 22.44	ATOM	1497	NE	ARG	Α	202	19.494	-16.112	35.342	1.00 57.70
ATOM 1499 NH1 ARG A 202 19.549 -15.798 33.063 1.00 39.90 ATOM 1500 NH2 ARG A 202 20.596 -17.615 33.984 1.00 69.32 ATOM 1501 C ARG A 202 14.351 -12.781 35.905 1.00 20.61 ATOM 1502 O ARG A 202 13.802 -12.033 35.094 1.00 14.26 ATOM 1503 N HIS A 203 14.431 -12.604 37.207 1.00 18.91 ATOM 1504 CA HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1505 CB HIS A 203 12.711 -11.896 38.765 1.00 13.88 ATOM 1506 CG HIS A 203 11.813 -10.917 39.426 1.00 22.44	MOTA	1498	CZ	ARG	Α	202	19.879	-16.510	34.134	1.00 61.66
ATOM 1501 C ARG A 202 14.351 -12.781 35.905 1.00 20.61 ATOM 1502 O ARG A 202 13.802 -12.033 35.094 1.00 14.26 ATOM 1503 N HIS A 203 14.431 -12.604 37.207 1.00 18.91 ATOM 1504 CA HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1505 CB HIS A 203 12.711 -11.896 38.765 1.00 13.88 ATOM 1506 CG HIS A 203 11.813 -10.917 39.426 1.00 22.44	ATOM	1499	NH1	ARG	Α	202	19.549	-15.798	33.063	
ATOM 1501 C ARG A 202 14.351 -12.781 35.905 1.00 20.61 ATOM 1502 O ARG A 202 13.802 -12.033 35.094 1.00 14.26 ATOM 1503 N HIS A 203 14.431 -12.604 37.207 1.00 18.91 ATOM 1504 CA HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1505 CB HIS A 203 12.711 -11.896 38.765 1.00 13.88 ATOM 1506 CG HIS A 203 11.813 -10.917 39.426 1.00 22.44	ATOM	1500	NH2	ARG	Α	202	20.596	-17.615	33.984	1.00 69.32
ATOM 1502 O ARG A 202 13.802 -12.033 35.094 1.00 14.26 ATOM 1503 N HIS A 203 14.431 -12.604 37.207 1.00 18.91 ATOM 1504 CA HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1505 CB HIS A 203 12.711 -11.896 38.765 1.00 13.88 ATOM 1506 CG HIS A 203 11.813 -10.917 39.426 1.00 22.44	ATOM	1501	С	ARG	A	202				
ATOM 1503 N HIS A 203 14.431 -12.604 37.207 1.00 18.91 ATOM 1504 CA HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1505 CB HIS A 203 12.711 -11.896 38.765 1.00 13.88 ATOM 1506 CG HIS A 203 11.813 -10.917 39.426 1.00 22.44	ATOM	1502	0	ARG	Α	202				
ATOM 1504 CA HIS A 203 13.836 -11.436 37.870 1.00 18.64 ATOM 1505 CB HIS A 203 12.711 -11.896 38.765 1.00 13.88 ATOM 1506 CG HIS A 203 11.813 -10.917 39.426 1.00 22.44	ATOM		N							
ATOM 1505 CB HIS A 203 12.711 -11.896 38.765 1.00 13.88 ATOM 1506 CG HIS A 203 11.813 -10.917 39.426 1.00 22.44	ATOM	1504	CA	HIS	A	203				
ATOM 1506 CG HIS A 203 11.813 -10.917 39.426 1.00 22.44			CB							
	ATOM		CG							
	ATOM	1507	ND1	HIS	A	203	12.104	-10.321		

ATOM	1508	CE1	HIS	Α	203	11.127	-9.510	40.981	1.00 23.53
MOTA	1509	NE2	HIS	Α	203	10.189	-9.558	40.046	1.00 17.09
ATOM	1510	CD2	HIS	Α	203	10.604	-10.429	39.065	1.00 18.86
ATOM	1511	С	HIS	Α	203	14.961	-10.731	38.626	1.00 17.56
MOTA	1512	0			203		-11.341	39.451	1.00 18.34
ATOM	1513	N			204	15.146	-9.457	38.314	1.00 15.90
ATOM	1514	CA			204	16.181	-8.621	38.906	1.00 15.46
MOTA	1515	CB			204	17.037	-7.984	37.819	1.00 15.83
ATOM	1516	CG			204	17.538	-8.995	36.783	1.00 15.57
		CD1				16.751	-9.377	35.717	1.00 13.37
ATOM	1517							34.785	1.00 12.70
MOTA	1518	CE1					-10.292		1.00 23.10
ATOM	1519	CZ			204	18.474	-10.839	34.923	
ATOM	1520	CE2	PHE				-10.461	35.989	1.00 21.53
MOTA	1521	CD2				18.807	-9.538	36.904	1.00 20.18
ATOM	1522	С			204	15.527	-7.556	39.785	1.00 20.25
ATOM	1523	0			204	14.885	-6.620	39.312	1.00 17.21
MOTA	1524	N			205	15.672	-7.713	41.097	1.00 17.28
ATOM	1525	CA	HIS	Α	205	14.949	-6.855	42.035	1.00 14.35
ATOM	1526	CB	HIS	Α	205	14.203	-7.745	43.021	1.00 20.27
ATOM	1527	CG	HIS	Α	205	13.221	-7.056	43.900	1.00 17.93
ATOM	1528	ND1	HIS	Α	205	12.549	-7.729	44.905	1.00 19.18
ATOM	1529	CE1	HIS	Α	205	11.738	-6.874	45.516	1.00 22.04
ATOM	1530	NE2	HIS	Α	205	11.866	-5.681	44.947	1.00 17.85
ATOM	1531		HIS			12.788	-5.771	43.928	1.00 12.88
ATOM	1532	С			205	15.896	-5.931	42.782	1.00 17.06
ATOM	1533	0			205	16.635	-6.400	43.658	1.00 21.06
ATOM	1534	N			206	15.883	-4.660	42.429	1.00 13.61
ATOM	1535	CA			206	16.715	-3.648	43.082	1.00 11.14
ATOM	1536	CB			206	17.008	-2.490	42.141	1.00 12.43
ATOM	1537	CG			206	18.011	-1.486	42.668	1.00 17.70
MOTA	1538	CD1	TYR			19.376	-1.745	42.568	1.00 14.03
ATOM	1539	CE1	TYR			20.334	-0.866	43.027	1.00 20.29
							0.318	43.602	1.00 20.25
ATOM	1540	CZ			206	19.892		44.070	1.00 25.15
MOTA	1541	OH			206	20.839	1.200		
ATOM	1542	CE2				18.553	0.609	43.718	1.00 19.11
ATOM	1543	CD2				17.596	-0.287	43.249	1.00 18.90
MOTA	1544	C	TYR			15.953	-3.189	44.315	1.00 15.80
ATOM	1545	0	TYR			14.828	-2.701	44.188	1.00 19.33
ATOM	1546	N	THR			16.503	-3.371	45.520	1.00 16.37
MOTA	1547		THR			15.652	-3.191		
ATOM	1548	CB	THR			15.789	-4.385	47.669	1.00 18.47
MOTA	1549		THR			17.175	-4.639	47.895	1.00 23.23
MOTA	1550	CG2	THR	Α	207	15.217	-5.655	47.056	1.00 23.19
ATOM	1551	C	THR	Α	207	15.955	-1.923	47.481	1.00 23.83
ATOM	1552	0	THR	Α	207	15.371	-1.745	48.556	1.00 24.21
MOTA	1553	N	VAL	Α	208	16.848	-1.060	47.004	1.00 22.88
ATOM	1554	CA	VAL	Α	208	17.156	0.123	47.814	1.00 23.02
ATOM	1555	СВ	VAL			18.604	0.059	48.325	1.00 22.02
ATOM	1556		VAL			18.747	-1.128	49.276	1.00 31.63
ATOM	1557		VAL			19.599	-0.045	47.185	1.00 23.30
ATOM	1558	C	VAL			16.951	1.425	47.059	1.00 16.29
ATOM	1559	0	VAL			17.782	2.331	47.160	1.00 26.60
		-							

ATOM	1560	N	TRP A		15.861	1.525	46.321	1.00 14.67
ATOM	1561	CA	TRP A		15.522	2.734	45.570	1.00 21.23
ATOM	1562	CB	TRP A	. 209	15.364	2.460	44.075	1.00 23.37
ATOM	1563	CG	TRP A		15.364	3.656	43.171	1.00 17.61
ATOM	1564	CD1	TRP A	209	15.121	4.978	43.419	1.00 16.97
ATOM	1565	NE]	TRP A	209	15.236	5.726	42.271	1.00 24.39
ATOM	1566	CE2	TRP A	209	15.560	4.876	41.238	1.00 22.16
ATOM	1567	CD2	TRP A	209	15.649	3.568	41.766	1.00 16.31
MOTA	1568	CE3	TRP A	209	15.969	2.508	40.918	1.00 20.86
ATOM	1569	CZ3			16.190	2.771	39.578	1.00 24.91
ATOM	1570	CH2			16.095	4.077	39.075	1.00 20.45
ATOM	1571	CZ2			15.785	5.131	39.888	1.00 19.42
ATOM	1572	С	TRP A		14.212	3.314	46.101	1.00 23.30
ATOM	1573	Ō	TRP A		13.164	2.827	45.672	1.00 25.49
ATOM	1574	N	PRO A		14.299	4.324	46.963	1.00 23.84
ATOM	1575	CA	PRO A		13.107	4.901	47.582	1.00 23.04
ATOM	1576	CB	PRO A		13.655	5.980	48.508	1.00 26.38
ATOM	1577	CG	PRO A		15.115	5.736	48.620	1.00 20.30
ATOM	1578	CD	PRO A		15.540	4.996	47.383	1.00 23.41
ATOM	1579	C	PRO A		12.199	5.553	46.536	1.00 23.17
ATOM	1580	0	PRO A		12.199	6.304		
ATOM	1581	N	ASP A		10.901		45.689	1.00 25.87
ATOM						5.271	46.601	1.00 19.16
ATOM	1582	CA CB	ASP A		9.942	5.886	45.698	1.00 23.36
	1583		ASP A		8.499	5.590	46.126	1.00 25.37
ATOM	1584	CG	ASP A		7.576	5.865	44.943	1.00 24.78
ATOM	1585		ASP A		6.379	5.571	45.094	1.00 26.65
ATOM	1586		ASP A		8.078	6.348	43.899	1.00 23.48
ATOM	1587	C	ASP A		10.124	7.395	45.610	1.00 29.53
ATOM	1588	0	ASP A		10.525	8.061	46.573	1.00 32.57
ATOM	1589	N	HIS A		9.888	7.977	44.442	1.00 28.91
ATOM	1590	CA	HIS A		10.051	9.398	44.175	1.00 28.03
ATOM	1591	CB	HIS A		9.080	10.227	45.032	1.00 21.33
ATOM	1592	CG	HIS A		7.681	9.700	44.958	1.00 26.06
ATOM	1593	ND1	HIS A		6.939	9.760	43.801	1.00 23.57
ATOM	1594	CE1	HIS A		5.754	9.219	44.023	1.00 25.96
ATOM	1595		HIS A		5.703	8.814	45.279	1.00 26.25
MOTA	1596		HIS A		6.902	9.100	45.884	1.00 27.02
ATOM	1597	C	HIS A		11.460	9.932	44.425	1.00 34.91
ATOM	1598	0	HIS A		11.653	11.152	44.346	1.00 42.93
MOTA	1599	N	GLY A		12.418	9.071	44.709	1.00 25.41
ATOM	1600	CA	GLY A		13.772	9.392	45.079	1.00 25.24
ATOM	1601	С	GLY A		14.771	8.747	44.143	1.00 27.01
ATOM	1602	0	GLY A		14.471	8.336	43.027	1.00 22.02
ATOM	1603	N	VAL A		16.012	8.697	44.602	1.00 26.65
ATOM	1604	CA	VAL A		17.102	8.144	43.810	1.00 31.35
ATOM	1605	CB	VAL A		17.945	9.250	43.163	1.00 35.53
MOTA	1606		VAL A		17.091	10.182	42.307	1.00 27.84
ATOM	1607	CG2	VAL A	214	18.668	10.055	44.234	1.00 40.38
ATOM	1608	С	VAL A	214	17.953	7.295	44.742	1.00 28.56
ATOM	1609	0	VAL A	214	17.887	7.492	45.959	1.00 28.51
ATOM	1610	N	PRO A	215	18.720	6.349	44.228	1.00 23.57
ATOM	1611	CA	PRO A	215	19.542	5.511	45.116	1.00 29.45

MOTA	1612	CB	PRO	A	215	20.1		4.526	44.146	1.00 29.52
ATOM	1613	CG			215	19.2		4.515	42.984	1.00 28.93
ATOM	1614	CD			215	18.8		5.974	42.820	1.00 23.13
MOTA	1615	С			215	20.6		6.338	45.842	1.00 35.63
ATOM	1616	0			215	20.9	990	7.415	45.396	1.00 30.87
ATOM	1617	N			216	21.0		5.828	46.972	1.00 35.49
ATOM	1618	CA	GLU	Α	216	22.0		6.538	47.780	1.00 35.03
ATOM	1619	CB	GLU	Α	216	22.2	254	5.768	49.090	1.00 36.48
ATOM	1620	CG	GLU	A	216	23.6	61	5.715	49.649	1.00 52.93
ATOM	1621	CD	GLU	Α	216	23.8	344	4.606	50.672	1.00 63.63
ATOM	1622	OE1			216	24.8		3.902	50.618	1.00 59.31
ATOM	1623		GLU			22.9		4.437	51.532	1.00 69.52
ATOM	1624	С	GLU	Α	216	23.3	868	6.751	47.032	1.00 33.10
ATOM	1625	0	GLU	Α	216	24.1	.21	7.675	47.370	1.00 39.10
ATOM	1626	N	THR	Α	217	23.7	11	5.964	46.014	1.00 32.88
ATOM	1627	CA	THR	Α	217	24.9	24	6.230	45.242	1.00 34.43
ATOM	1628	CB	THR	Α	217	26.1	.35	5.360	45.635	1.00 41.56
ATOM	1629	OG1	THR	Α	217	25.9	10	4.010	45.183	1.00 31.22
ATOM	1630	CG2	THR	Α	217	26.3	41	5.329	47.138	1.00 44.45
ATOM	1631	С	THR	Α	217	24.7	11	5.979	43.748	1.00 30.56
ATOM	1632	0	THR	Α	217	23.7	87	5.258	43.382	1.00 25.88
MOTA	1633	N	THR	Α	218	25.5	78	6.530	42.901	1.00 26.73
MOTA	1634	CA	THR	Α	218	25.4	94	6.239	41.469	1.00 30.02
MOTA	1635	CB	THR	Α	218	26.2	51	7.270	40.615	1.00 29.46
ATOM	1636	OG1	THR	Α	218	27.5	94	7.382	41.105	1.00 27.79
ATOM	1637	CG2	THR	Α	218	25.6	16	8.644	40.740	1.00 30.31
ATOM	1638	С	THR	Α	218	26.0	45	4.846	41.171	1.00 27.66
ATOM	1639	0	THR	Α	218	25.4	99	4.105	40.348	1.00 23.92
ATOM	1640	N	GLN	Α	219	27.1	23	4.478	41.848	1.00 26.54
MOTA	1641	CA	GLN	Α	219	27.7	64	3.182	41.661	1.00 25.35
ATOM	1642	CB	GLN	A	219	28.8	45	2.982	42.729	1.00 35.12
ATOM	1643	CG	GLN	A	219	30.2	30	3.445	42.313	1.00 50.76
ATOM	1644	CD	GLN	Α	219	31.3	11	2.472	42.754	1.00 70.22
MOTA	1645	OE1	GLN	А	219	31.3	50	1.331	42.286	1.00 92.23
ATOM	1646	NE2	GLN			32.1		2.921	43.650	1.00 63.32
MOTA	1647	С	GLN			26.7		2.013	41.730	1.00 26.20
ATOM	1648	0	GLN			26.8	02	1.112	40.897	1.00 29.61
MOTA	1649	N	SER	Α	220	25.9	29	2.027	42.746	1.00 26.43
MOTA	1650	CA	SER	Α	220	24.9	78	0.956	42.997	1.00 31.59
ATOM	1651	CB	SER			24.1	16	1.337	44.205	1.00 38.90
MOTA	1652	OG	SER	A	220	23.0	43	0.429	44.379	1.00 33.12
ATOM	1653	С	SER	Α	220	24.0	97	0.682	41.788	1.00 31.15
MOTA	1654	0	SER	Α	220	23.9	95	-0.428	41.264	1.00 22.82
MOTA	1655	N	LEU	Α	221	23.4	21	1.736	41.316	1.00 26.37
MOTA	1656	CA	LEU			22.5	27	1.511	40.181	1.00 22.50
ATOM	1657	CB	LEU			21.5		2.696	40.002	1.00 25.48
ATOM	1658	CG	LEU			20.3		2.374	39.125	1.00 27.75
ATOM	1659		LEU			19.5	96	1.169	39.683	1.00 24.04
ATOM	1660	CD2	LEU	A	221	19.42	28	3.572	39.007	1.00 26.75
ATOM	1661	С	LEU			23.3	11	1.255	38.907	1.00 16.37
ATOM	1662	0	LEU			22.8	70	0.452	38.078	1.00 25.76
MOTA	1663	N	ILE	A	222	24.46	62	1.917	38.728	1.00 17.23

ATOM	1664	CA	ILE	Α	222	25.230	1.662	37.507	1.00 21.02
MOTA	1665	CB	ILE	Α	222	26.510	2.506	37.436	1.00 23.08
ATOM	1666	CG1			222	26.245	3.966	37.060	1.00 23.12
ATOM	1667	CD1			222	27.289	4.943	37.546	1.00 25.12
MOTA	1668	CG2			222	27.498	1.864	36.473	1.00 26.15
MOTA	1669	С			222	25.573	0.179	37.422	1.00 20.38
ATOM	1670	0			222	25.462	-0.473	36.385	1.00 18.34
ATOM	1671	N			223	26.005	-0.362	38.558	1.00 24.24
ATOM	1672	CA			223	26.401	-1.763	38.598	1.00 23.96
ATOM	1673	CB			223	27.058	-2.162	39.919	1.00 26.95
MOTA	1674	CG			223	28.327	-1.426	40.293	1.00 37.08
ATOM	1675	CD			223	29.119	-0.836	39.150	1.00 56.97
ATOM	1676	OE1				29.337	-1.473	38.116	1.00 84.38
ATOM	1677		GLN			29.581	0.404	39.315	1.00 54.63
ATOM	1678	С	GLN			25.163	-2.627	38.391	1.00 24.09
ATOM	1679	0	GLN			25.262	-3.654	37.737	1.00 19.87
ATOM	1680	N	PHE			24.017	-2.212	38.943	1.00 20.92
ATOM	1681	CA	PHE			22.831	-3.055	38.717	1.00 22.52
ATOM	1682	CB	PHE			21.658	-2.527	39.529	1.00 21.20
ATOM	1683	CG	PHE			20.330	-3.222	39.302	1.00 23.79
MOTA	1684	CD1				20.105	-4.505	39.792	1.00 21.63
ATOM	1685	CE1				18.881	-5.123	39.606	1.00 15.71
ATOM	1686	CZ	PHE			17.867	-4.481	38.919	1.00 16.76
ATOM	1687	CE2				18.074	-3.204	38.415	1.00 13.56
ATOM	1688	CD2				19.306	-2.589	38.609	1.00 16.88
ATOM ATOM	1689	C 0	PHE			22.477	-3.104	37.240	1.00 26.00
ATOM	1690 1691		PHE VAL			22.266	-4.142	36.617	1.00 17.57
ATOM	1692	N CA	VAL			22.406 22.097	-1.916	36.636	1.00 17.86
ATOM	1693	CB	VAL			22.100	-1.855	35.214	1.00 14.81
ATOM	1694		VAL			22.100	-0.383 -0.273	34.764 33.250	1.00 15.04 1.00 17.94
ATOM	1695		VAL			20.903	0.328	35.391	1.00 17.94
ATOM	1696	C	VAL			23.068	-2.668	34.378	1.00 19.94
ATOM	1697	0	VAL			22.674	-3.427	33.481	1.00 17.19
ATOM	1698	N	ARG			24.371	-2.550	34.632	1.00 19.32
ATOM	1699	CA	ARG			25.295	-3.342	33.809	1.00 24.02
ATOM	1700	СВ	ARG			26.735	-2.935	34.122	1.00 24.02
ATOM	1701	CG	ARG			27.107	-1.562	33.582	1.00 23.91
ATOM	1702	CD	ARG			28.568	-1.275	33.905	1.00 30.68
ATOM	1703	NE	ARG			28.977	0.040	33.425	1.00 37.38
MOTA	1704	CZ	ARG			29.848	0.828	34.046	1.00 45.40
ATOM	1705		ARG .			30.416	0.454	35.185	1.00 41.82
ATOM	1706		ARG .			30.154	2.009	33.522	1.00 45.68
ATOM	1707	С	ARG .	Α	226	25.094	-4.836	34.022	1.00 22.36
ATOM	1708	0	ARG .	A	226	25.220	-5.649	33.106	1.00 24.97
ATOM	1709	N	THR .			24.762	-5.258	35.243	1.00 21.54
ATOM	1710	CA	THR .			24.427	-6.660	35.455	1.00 21.82
ATOM	1711	СВ	THR .			24.206	-6.945	36.957	1.00 29.96
MOTA	1712	OG1	THR .	Α.	227	25.358	-6.463	37.648	1.00 28.79
ATOM	1713	CG2	THR I	Α.	227	24.081	-8.437	37.182	1.00 29.12
ATOM	1714	C	THR I	Α :	227	23.182	-7.107	34.713	1.00 19.03
ATOM	1715	0	THR I	A :	227	23.188	-8.158	34.074	1.00 26.29

ATOM	1716	N	VAL	Α	228	22.	097	-6.336	34.778	1.00	17.49
ATOM	1717	CA	VAL	Α	228	20.	926	-6.679	33.967	1.00	17.38
ATOM	1718	CB	VAL	Α	228	19.	784	-5.686	34.259	1.00	18.18
ATOM	1719	CG1	VAL	Α	228	18.	550	-5.978	33.411	1.00	19.51
ATOM	1720	CG2			228	19.	437	-5.770	35.741	1.00	15.24
ATOM	1721	С	VAL	Α	228	21.2	238	-6.711	32.477	1.00	17.43
ATOM	1722	0	VAL	Α	228	20.8	849	-7.647	31.766	1.00	19.11
ATOM	1723	N	ARG	Α	229	21.9	943	-5.703	31.972	1.00	17.01
MOTA	1724	CA	ARG	Α	229	22.2	204	-5.651	30.527	1.00	21.03
MOTA	1725	CB	ARG	Α	229	22.8	833	-4.291	30.221	1.00	17.71
ATOM	1726	CG	ARG	Α	229	23.4	465	-4.129	28.873	1.00	18.28
ATOM	1727	CD	ARG	Α	229	22.5	589	-3.886	27.687	1.00	26.78
ATOM	1728	NE	ARG	Α	229	21.2	245	-3.355	27.849	1.00	22.41
ATOM	1729	CZ	ARG	Α	229	20.2	263	-3.671	27.008	1.00	26.65
MOTA	1730	NH1	ARG	Α	229	20.5	514	-4.494	25.992	1.00	28.43
MOTA	1731	NH2	ARG	Α	229	19.0	031	-3.197	27.144	1.00	22.64
ATOM	1732	С	ARG	Α	229	23.0	052	-6.833	30.076	1.00	26.78
ATOM	1733	0	ARG	Α	229	22.9	914	-7.389	28.974	1.00	22.93
MOTA	1734	N	ASP	Α	230	23.9	970	-7.282	30.931	1.00	22.22
ATOM	1735	CA	ASP	Α	230	24.7	761	-8.474	30.615	1.00	19.37
ATOM	1736	CB	ASP	Α	230	25.7	720	-8.746	31.770	1.00	26.22
ATOM	1737	CG	ASP	A	230	26.7	764	-9.808	31.496	1.00	37.14
MOTA	1738	OD1	ASP	Α	230	27.7	772	-9.830	32.234	1.00	43.30
ATOM	1739	OD2	ASP	Α	230	26.5	579	-10.609	30.558	1.00	48.34
ATOM	1740	С	ASP	Α	230	23.8	356	-9.667	30.369	1.00	
ATOM	1741	0	ASP	Α	230	24.0	007	-10.389	29.383	1.00	27.24
ATOM	1742	N	TYR	Α	231	22.8	397	-9.868	31.276	1.00	24.39
ATOM	1743	CA	TYR	Α	231	21.9	924	-10.943	31.156	1.00	17.89
ATOM	1744	CB	TYR	Α	231	21.0)11	-10.999	32.384	1.00	18.72
ATOM	1745	CG	TYR	Α	231	21.6	504	-11.752	33.540	1.00	21.03
ATOM	1746	CD1	TYR	Α	231	22.2	218	-11.040	34.559	1.00	27.60
ATOM	1747	CE1	TYR	Α	231	22.7	770	-11.713	35.627	1.00	32.43
ATOM	1748	CZ	TYR	Α	231	22.7	716	-13.085	35.692	1.00	25.45
MOTA	1749	OH	TYR	Α	231	23.2	283	-13.694	36.789	1.00	36.71
MOTA	1750	CE2	TYR	Α	231	22.1	.16	-13.815	34.698	1.00	23.54
ATOM	1751	CD2	TYR	Α	231	21.5	61	-13.136	33.622	1.00	30.94
MOTA	1752	С	TYR	Α	231	21.0	06	-10.771	29.954	1.00	21.66
ATOM	1753	0	TYR	Α	231	20.6	559	-11.726	29.269	1.00	23.21
ATOM	1754	N	ILE	Α	232	20.5	81	-9.527	29.718	1.00	16.63
MOTA	1755	CA	ILE	А	232	19.7	85	-9.280	28.517	1.00	19.85
ATOM	1756	CB	ILE	Α	232	19.3	49	-7.808	28.395	1.00	18.50
ATOM	1757	CG1	ILE	Α	232	18.3	91	-7.370	29.499	1.00	22.29
MOTA	1758	CD1	ILE	Α	232	18.0	184	-5.901	29.616	1.00	17.14
ATOM	1759	CG2	ILE	Α	232	18.7	73	-7.570	26.999	1.00	22.60
ATOM	1760	C	ILE	Α	232	20.5	74	-9.652	27.262	1.00	21.88
ATOM	1761	0	ILE	Α	232	20.0	66	-10.308	26.358	1.00	24.41
ATOM	1762	N	ASN	Α	233	21.8	40	-9.242	27.197	1.00	23.34
ATOM	1763	CA	ASN	Α	233	22.5	92	-9.555	25.975		30.61
ATOM	1764	CB	ASN	Α	233	23.9		-8.883	25.996		27.03
MOTA	1765	CG	ASN	Α	233	23.8	69	-7.379	25.800		29.17
ATOM	1766	OD1	ASN	Α	233	22.9	02	-6.849	25.248		36.95
ATOM	1767	ND2	ASN	Α	233	24.8	82	-6.648	26.251	1.00	36.00

ATOM	1768	С	ASN A	A 23	3	22.705	-11.062	25.808	1.00	31.90
ATOM	1769	0	ASN A	A 23	33	22.823	-11.595	24.711	1.00	37.58
ATOM	1770	N	ARG I			22.659	-11.778	26.927	1.00	29.26
ATOM	1771	CA	ARG				-13.225	26.874	1.00	31.78
	1772	CB	ARG				-13.746	28.129		38.80
MOTA			ARG A				-13.216	28.320		43.23
ATOM	1773	CG								
MOTA	1774	CD	ARG I				-13.632	29.692		51.48
MOTA	1775	NE	ARG A				-13.511	29.800		58.62
ATOM	1776	CZ	ARG A				-14.516	30.055		57.56
ATOM	1777	NH1	ARG A	A 23	34	27.201	-15.746	30.232		60.00
MOTA	1778	NH2	ARG A	A 23	34	28.975	-14.277	30.128	1.00	30.80
MOTA	1779	С	ARG I	A 23	34	21.407	-13.890	26.747	1.00	34.88
ATOM	1780	0	ARG Z	A 23	34	21.304	-15.085	27.031	1.00	32.66
ATOM	1781	N	SER A				-13.186	26.337	1.00	24.05
ATOM	1782	CA	SER A				-13.884	26.273		27.03
ATOM	1783	CB	SER A				-13.249	27.156		26.67
		OG	SER A				-13.237	28.520		34.69
ATOM	1784						-13.237			31.92
MOTA	1785	C	SER A					24.827		
MOTA	1786	0	SER I				-13.103	24.425		28.81
MOTA	1787	N	PRO I				-14.914	24.105		37.48
MOTA	1788	CA	PRO I				-15.087	22.693		39.12
ATOM	1789	CB	PRO I	A 23	36		-16.312	22.269		46.32
MOTA	1790	CG	PRO I				-17.038	23.546		44.02
ATOM	1791	CD	PRO I	A 23	36		-15.957	24.580	1.00	42.48
MOTA	1792	С	PRO I	A 23	36	17.279	-15.378	22.517	1.00	34.00
MOTA	1793	0	PRO I	A 23	36	16.696	-16.221	23.207	1.00	43.89
ATOM	1794	N	GLY A	A 23	37	16.668	-14.660	21.577	1.00	27.25
MOTA	1795	CA	GLY Z	A 23	37	15.280	-14.912	21.249	1.00	25.75
ATOM	1796	С	GLY Z			14.296	-14.183	22.132	1.00	21.94
ATOM	1797	0	GLY A			13.109	-14.257	21.848	1.00	21.04
ATOM	1798	N	ALA Z				-13.494	23.181	1.00	22.86
ATOM	1799	CA	ALA A				-12.838	24.112		20.89
MOTA	1800	CB	ALA				-12.130	25.194		22.60
ATOM	1801	C	ALA A				-11.807	23.470		20.68
			ALA A				-11.132	22.539		27.83
ATOM	1802 1803	0					-11.132	23.986		18.60
ATOM		N	GLY A					23.700		18.19
MOTA	1804	CA	GLY A				-10.549			15.46
MOTA	1805	С	GLY A			11.346	- 9.351	24.497		
MOTA	1806	0	GLY A			12.521	-9.353	24.887		18.43
MOTA	1807	N	PRO I				-8.378	24.743		17.13
ATOM	1808	CA	PRO I			10.889	-7.184	25.496		15.73
MOTA	1809	CB	PRO A			9.626	-6.323	25.550		18.54
ATOM	1810	CG	PRO A	A 24	0	8.740	-6.868	24.479	1.00	25.69
ATOM	1811	CD	PRO Z	A 24	0	9.073	-8.329	24.350		13.87
MOTA	1812	С	PRO I	A 24	0	11.306	-7.518	26.923	1.00	14.71
ATOM	1813	0	PRO A	A 24	0	10.867	-8.502	27.508	1.00	14.52
MOTA	1814	N	THR A			12.179	-6.683	27.461	1.00	13.92
ATOM	1815	CA	THR Z			12.533	-6.674	28.869	1.00	14.60
ATOM	1816	CB	THR A			13.890	-5.989	29.061		14.17
ATOM	1817	OG1	THR A			14.893	-6.769	28.389		18.17
ATOM	1818	CG2	THR A			14.291	-5.941	30.536		17.28
	1819	C	THR A			11.441	-5.931	29.639		16.58
MOTA	1013	$\overline{}$	TUL	2 24	· 1	11.441	7.991	20.000	1.00	_0.50

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ATOM	1820	0	THR			11.124	-4.784	29.305		13.03
ATOM	1821	N	VAL			10.856	-6.571	30.646		12.88
ATOM	1822	CA	VAL			9.842	-5.913	31.464	1.00	9.81
MOTA	1823	CB	VAL	Α	242	8.866	-6.900	32.116		14.04
MOTA	1824	CG1	VAL			8.019	-6.223	33.179		16.00
ATOM	1825	CG2	VAL	Α	242	7.942	-7.536	31.081		15.42
ATOM	1826	С	VAL	Α	242	10.564	-5.128	32.554		12.01
ATOM	1827	0	VAL	Α	242	11.501	-5.623	33.171		15.03
ATOM	1828	N	VAL	Α	243	10.107	-3.893	32.785	1.00	11.17
ATOM	1829	CA	VAL	Α	243	10.668	-3.065	33.838	1.00	9.13
ATOM	1830	CB	VAL			11.575	-1.931	33.352	1.00	15.38
MOTA	1831	CG1	VAL			12.196	-1.213	34.555	1.00	10.88
ATOM	1832	CG2	VAL			12.666	-2.463	32.442	1.00	12.02
ATOM	1833	C	VAL			9.482	-2.452	34.574		12.00
ATOM	1834	0	VAL			8.576	-1.930	33.932	1.00	9.88
ATOM	1835	N	HIS			9.484	-2.539	35.899		11.09
ATOM	1836	CA	HIS			8.412	-1.896	36.618	1.00	8.29
		CB	HIS			7.205	-2.846	36.762	1.00	7.72
ATOM	1837	CG	HIS			7.203	-3.897	37.824		15.86
MOTA	1838					7.058	-3.666	39.160		14.99
ATOM	1839		HIS			7.036	-4.775	39.871		13.71
ATOM	1840		HIS					39.039		16.24
ATOM	1841		HIS			7.617	-5.753			15.19
ATOM	1842		HIS			7.666	-5.215	37.766		11.45
MOTA	1843	C	HIS			8.890	-1.434	37.999		12.61
ATOM	1844	0	HIS			9.917	-1.896	38.509		
MOTA	1845	N	CYS			8.085	-0.528	38.539		18.46
ATOM	1846	CA	CYS			8.250	-0.016	39.911		14.56
ATOM	1847	CB	CYS			9.019	1.304	39.865		10.22
ATOM	1848	SG	CYS			8.326	2.556	38.746		14.87
ATOM	1849	С	CYS			6.876	0.022	40.549		15.86
MOTA	1850	0	CYS			6.192	-1.015	40.537		13.86
ATOM	1851	N			246	6.376	1.128	41.113	1.00	9.56
MOTA	1852	CA	SER	A	246	4.987	1.073	41.577	1.00	9.76
ATOM	1853	CB	SER	А	246	4.844	1.783	42.926	1.00	7.75
ATOM	1854	OG	SER	Α	246	3.495	1.651	43.398	1.00	9.89
ATOM	1855	С	SER	Α	246	4.052	1.626	40.505	1.00	9.69
ATOM	1856	0	SER	Α	246	3.099	0.947	40.088		10.94
MOTA	1857	N	ALA	Α	247	4.265	2.853	40.014		15.37
ATOM	1858	CA	ALA			3.443	3.430	38.976		12.59
ATOM	1859	CB	ALA	Α	247	3.411	4.964	38.966		11.87
ATOM	1860	С	ALA			3.960	3.046	37.583	1.00	10.49
ATOM	1861	0	ALA	Α	247	3.242	3.172	36.600	1.00	15.72
ATOM	1862	N	GLY			5.216	2.627	37.542	1.00	9.25
ATOM	1863	CA	GLY			5.870	2.318	36.284	1.00	13.53
MOTA	1864	C	GLY			6.210	3.615	35.570	1.00	20.73
ATOM	1865	Ō	GLY			6.104	3.656	34.349	1.00	15.35
ATOM	1866	N	VAL			6.616	4.653	36.301	1.00	14.47
ATOM	1867	CA	VAL			7.031	5.853	35.561		23.41
ATOM	1868	CB	VAL			5.942	6.948	35.534		27.80
ATOM	1869		VAL			4.675	6.441	34.850		10.99
ATOM	1870		VAL			5.615	7.470	36.930		21.36
	1871	CGZ	VAL			8.342	6.437	36.071		18.78
MOTA	10/1	C	ΛWI	7	243	0.342	0.45,	55.571	1.00	

MOTA	1872	0	VAL	Α	249	9.252	6.752	35.288	1.00 16.76
MOTA	1873	N	GLY	Α	250	8.505	6.625	37.372	1.00 17.57
ATOM	1874	CA	GLY	Α	250	9.695	7.363	37.801	1.00 15.55
MOTA	1875	С	GLY	Α	250	10.939	6.526	37.860	1.00 11.84
MOTA	1876	0	GLY	Α	250	11.945	6.720	37.165	1.00 17.28
ATOM	1877	N	ARG	Α	251	10.945	5.519	38.740	1.00 11.43
MOTA	1878	CA	ARG	A	251	12.141	4.687	38.866	1.00 10.27
MOTA	1879	CB	ARG	Α	251	12.050	3.844	40.148	1.00 14.41
MOTA	1880	CG	ARG	Α	251	12.082	4.786	41.366	1.00 15.59
ATOM	1881	CD	ARG	Α	251	11.706	4.068	42.647	1.00 10.84
MOTA	1882	NE	ARG	Α	251	10.278	3.795	42.721	1.00 15.91
ATOM	1883	CZ	ARG			9.729	3.085	43.709	1.00 22.05
ATOM	1884		ARG			10.528	2.610	44.665	1.00 12.86
ATOM	1885		ARG			8.413	2.887	43.697	1.00 19.96
ATOM	1886	С	ARG			12.319	3.826	37.620	1.00 7.84
ATOM	1887	Ō	ARG			13.444	3.643	37.141	1.00 13.49
ATOM	1888	N	THR			11.189	3.332	37.112	1.00 10.86
ATOM	1889	CA	THR			11.278	2.605	35.826	1.00 8.96
ATOM	1890	СВ	THR			9.877	2.125	35.429	1.00 16.98
ATOM	1891	OG1	THR			9.509	1.052	36.311	1.00 15.33
ATOM	1892	CG2	THR			9.847	1.560	34.015	1.00 18.22
ATOM	1893	C	THR			11.901	3.464	34.745	1.00 13.54
ATOM	1894	0	THR			12.828	3.103	34.003	1.00 14.11
ATOM	1895	N	GLY			11.410	4.690	34.594	1.00 14.04
ATOM	1896	CA	GLY			11.976	5.531	33.532	1.00 16.89
ATOM	1897	C	GLY			13.426	5.881	33.711	1.00 11.18
ATOM	1898	0	GLY			14.233	5.937	32.777	1.00 14.06
ATOM	1899	N	THR			13.831	6.138	34.965	1.00 12.53
ATOM	1900	CA	THR			15.235	6.408	35.233	1.00 13.37
ATOM	1901	CB	THR			15.455	6.837	36.695	1.00 16.96
MOTA	1901	OG1	THR			14.606	7.960	36.960	1.00 17.14
ATOM	1903	CG2	THR			16.884	7.294	36.923	1.00 17.26
ATOM	1904	C	THR			16.108	5.200	34.937	1.00 18.94
ATOM	1904	0	THR			17.217	5.344	34.409	1.00 17.66
ATOM	1905	N	PHE			15.602	4.014	35.263	1.00 17.00
	1907	CA	PHE			16.362	2.796	34.987	1.00 10.10
ATOM	1908	CB	PHE			15.617	1.534	35.479	1.00 10.10
ATOM ATOM	1909	CG	PHE			16.273	0.217	35.051	1.00 13.42
	1909	CD1				17.258	-0.329	35.873	1.00 13.42
ATOM	1911		PHE			17.238	-0.529	35.535	1.00 15.64
MOTA						17.592	-2.156	34.345	1.00 13.04
ATOM	1912	CZ	PHE PHE			16.600	-2.130	33.523	1.00 14.40
ATOM	1913						-0.487	33.898	1.00 19.84
ATOM	1914		PHE			15.937		33.493	1.00 19.84
ATOM	1915	C	PHE			16.626	2.687		
ATOM	1916	0	PHE			17.732	2.397	33.060	1.00 14.84
ATOM	1917	N	ILE			15.561	2.863	32.704	1.00 14.82
ATOM	1918	CA	ILE			15.726	2.641	31.264	1.00 10.00
ATOM	1919	CB	ILE			14.352	2.607	30.589	1.00 12.80
ATOM	1920		ILE			13.558	1.345	30.943	1.00 11.66
ATOM	1921		ILE			12.084	1.457	30.602	1.00 12.54
ATOM	1922		ILE			14.463	2.826	29.091	1.00 14.64
MOTA	1923	С	ILE	Α	256	16.584	3.736	30.662	1.00 14.37

ATOM	1924	0	ILE	Α	256	17.387	3.496	29.766	1.00 20.73
ATOM	1925	N	ALA	Α	257	16.399	4.970	31.154	1.00 16.70
ATOM	1926	ÇA	ALA	Α	257	17.236	6.040	30.612	1.00 12.87
ATOM	1927	CB	ALA	Α	257	16.865	7.389	31.209	1.00 18.47
MOTA	1928	С	ALA	Α	257	18.699	5.703	30.858	1.00 19.90
ATOM	1929	0	ALA	Α	257	19.567	5.851	29.993	1.00 19.76
MOTA	1930	N	LEU	Α	258	18.967	5.203	32.071	1.00 15.65
ATOM	1931	CA	LEU	Α	258	20.358	4.894	32.395	1.00 16.29
ATOM	1932	CB	LEU	Α	258	20.501	4.631	33.901	1.00 18.82
ATOM	1933	CG	LEU	Α	258	21.938	4.343	34.350	1.00 18.09
ATOM	1934		LEU	Α	258	22.864	5.426	33.809	1.00 16.26
MOTA	1935		LEU			22.000	4.251	35.864	1.00 19.56
ATOM	1936	С	LEU			20.840	3.708	31.580	1.00 21.01
ATOM	1937	0	LEU			21.974	3.651	31.110	1.00 23.61
ATOM	1938	N	ASP			19.972	2.715	31.377	1.00 14.03
ATOM	1939	CA	ASP			20.372	1.573	30.549	1.00 19.00
ATOM	1940	СВ	ASP			19.247	0.544	30.512	1.00 16.27
ATOM	1941	CG			259	19.491	-0.692	29.670	1.00 16.85
ATOM	1942		ASP			20.621	-1.227	29.689	1.00 22.41
ATOM	1943		ASP			18.564	-1.164	28.976	1.00 22.35
ATOM	1944	C	ASP			20.732	2.051	29.142	1.00 24.46
ATOM	1945	0	ASP			21.715	1.611	28.532	1.00 22.50
ATOM	1946	N	ARG			19.915	2.967	28.624	1.00 18.68
ATOM	1947	CA	ARG			20.166	3.492	27.277	1.00 21.73
ATOM	1948	CB	ARG			18.965	4.302	26.759	1.00 19.52
MOTA	1949	CG	ARG			17.772	3.420	26.379	1.00 21.69
ATOM	1950	CD	ARG			16.687	4.238	25.678	1.00 27.46
ATOM	1951	NE	ARG			17.207	4.867	24.479	1.00 35.48
ATOM	1952	CZ	ARG			16.651	5.618	23.551	1.00 36.55
ATOM	1953		ARG			15.372	5.944	23.580	1.00 47.22
ATOM	1954		ARG			17.404	6.063	22.548	1.00 36.27
ATOM	1955	C	ARG			21.432	4.331	27.217	1.00 26.15
ATOM	1956	0	ARG			22.192	4.165	26.256	1.00 23.92
ATOM	1957	N			261	21.688	5.215	28.182	1.00 26.20
	1958	CA			261	22.842	6.103	28.059	1.00 22.09
MOTA	1959	CB	ILE			22.764	7.376	28.922	1.00 23.64
ATOM	1960	CG1				23.001	7.148	30.418	1.00 30.05
ATOM		CD1	ILE			22.191	8.055	31.328	1.00 30.61
MOTA	1961		ILE			21.452	8.105	28.674	1.00 18.34
ATOM	1962	_				24.146	5.381	28.394	1.00 28.75
MOTA	1963	C	ILE			25.206	5.722	27.854	1.00 26.73
ATOM	1964	0			261	24.110		29.276	1.00 36.26
ATOM	1965	N			262		4.384		
ATOM	1966	CA	LEU			25.364	3.663	29.544	1.00 24.13
MOTA	1967	CB	LEU			25.207	2.686	30.699	1.00 24.26
MOTA	1968	CG	LEU			25.112	3.236	32.123	1.00 20.71
MOTA	1969		LEU			25.079	2.071	33.101	1.00 24.55
MOTA	1970		LEU			26.257	4.176	32.453	1.00 23.31
ATOM	1971	C	LEU			25.812	2.958	28.271	1.00 29.49
MOTA	1972	0	LEU			27.004	2.863	27.968	1.00 38.42
MOTA	1973	N	GLN			24.851	2.454	27.494	1.00 29.52
MOTA	1974	CA	GLN			25.225	1.863	26.204	1.00 35.18
MOTA	1975	CB	GLN	Α	263	24.015	1.216	25.545	1.00 34.97

ATOM	1976	CG	GLN	Α	263	23.632	-0.140	26.125	1.00 36.78
MOTA	1977	CD	GLN	Α	263	22.277	-0.630	25.661	1.00 34.45
ATOM	1978	OE1	GLN	Α	263	22.167	-1.327	24.653	1.00 32.02
ATOM	1979	NE2	GLN	Α	263	21.219	-0.276	26.388	1.00 29.68
MOTA	1980	С	GLN	Α	263	25.867	2.912	25.300	1.00 38.62
ATOM	1981	0	GLN	Α	263	26.927	2.694	24.702	1.00 44.23
ATOM	1982	N	GLN			25.255	4.084	25.187	1.00 40.04
MOTA	1983	CA	GLN			25.848	5.189	24.439	1.00 37.35
ATOM	1984	СВ	GLN			25.018	6.461	24.597	1.00 30.80
ATOM	1985	CG	GLN			23.739	6.499	23.777	1.00 28.49
MOTA	1986	CD	GLN			22.842	7.650	24.195	1.00 36.13
ATOM	1987	OE1				23.318	8.630	24.778	1.00 35.61
ATOM	1988		GLN			21.552	7.519	23.905	1.00 30.19
	1989	C	GLN			27.280	5.460	24.900	1.00 46.87
MOTA			GLN			28.192	5.539	24.076	1.00 59.11
ATOM	1990	0				27.474	5.599	26.210	1.00 44.30
ATOM	1991	N	LEU				5.808	26.774	1.00 44.30
MOTA	1992	CA	LEU			28.805			1.00 47.22
MOTA	1993	CB	LEU			28.794	5.779	28.295	1.00 47.85
ATOM	1994	CG	LEU			28.082	6.900	29.043	
MOTA	1995		LEU			28.140	6.641	30.544	1.00 39.48
ATOM	1996		LEU			28.678	8.255	28.696	1.00 54.16
ATOM	1997	С	LEU			29.763	4.736	26.265	1.00 45.05
ATOM	1998	0	LEU			30.912	5.011	25.925	1.00 54.65
MOTA	1999	N	ASP			29.280	3.495	26.209	1.00 40.79
ATOM	2000	CA	ASP			30.137	2.440	25.670	1.00 47.27
ATOM	2001	CB	ASP			29.739	1.083	26.257	1.00 43.47
MOTA	2002	CG	ASP	Α	266	30.102	0.960	27.721	1.00 44.36
MOTA	2003	OD1	ASP	Α	266	31.196	1.428	28.101	1.00 58.24
MOTA	2004	OD2	ASP			29.297	0.391	28.488	1.00 53.34
MOTA	2005	С	ASP	А	266	30.066	2.396	24.154	1.00 58.50
MOTA	2006	0	ASP	A	266	30.476	1.429	23.506	1.00 56.64
MOTA	2007	N	SER	A	267	29.538	3.434	23.497	1.00 67.18
MOTA	2008	CA	SER	Α	267	29.465	3.282	22.038	1.00 73.64
MOTA	2009	CB	SER	Α	267	28.110	2.671	21.667	1.00 75.02
MOTA	2010	OG	SER	Α	267	28.161	1.258	21.786	1.00 72.08
MOTA	2011	С	SER	Α	267	29.693	4.592	21.301	1.00 81.56
MOTA	2012	0	SER	Α	267	30.504	4.666	20.376	1.00 96.45
ATOM	2013	N	LYS	Α	268	28.971	5.630	21.705	1.00 82.73
ATOM	2014	CA	LYS	Α	268	29.039	6.931	21.064	1.00 81.39
MOTA	2015	CB	LYS	Α	268	27.736	7.709	21.286	1.00 92.60
ATOM	2016	CG	LYS			26.518	7.115	20.597	1.00 98.30
MOTA	2017	CD	LYS			25.516	8.187	20.194	1.00 99.41
MOTA	2018	CE	LYS			25.288	9.191	21.312	1.00 97.43
ATOM	2019	NZ	LYS			23.896	9.151	21.836	1.00 86.39
ATOM	2020	C	LYS			30.209	7.766	21.583	1.00 67.12
ATOM	2021	0	LYS			30.930	7.340	22.478	1.00 61.30
ATOM	2022	N	ASP			30.340	8.941	20.995	1.00 57.55
ATOM	2023	CA	ASP			31.277	9.986	21.380	1.00 61.48
ATOM	2023	CB	ASP			31.994	10.514	20.137	1.00 71.27
ATOM	2025	CG	ASP			31.482	9.789	18.899	1.00 80.60
ATOM	2025		ASP			32.270	9.060	18.261	1.00 87.05
ATOM	2027		ASP			30.283	9.954	18.585	1.00 82.09
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FIGURE 141

ATOM	2028	С	ASP	Α	269	30.498	11.081	22.096	1.00 54.39
MOTA	2029	0	ASP	Α	269	30.997	12.070	22.621	1.00 37.16
ATOM	2030	N	SER	Α	270	29.183	10.843	22.108	1.00 44.05
ATOM	2031	CA	SER	Α	270	28.290	11.754	22.805	1.00 48.15
MOTA	2032	CB	SER	Α	270	27.593	12.687	21.814	1.00 54.66
ATOM	2033	OG	SER	Α	270	27.367	12.009	20.588	1.00 61.37
ATOM	2034	С	SER	Α	270	27.261	10.971	23.609	1.00 44.27
MOTA	2035	0	SER	Α	270	27.045	9.781	23.410	1.00 33.61
ATOM	2036	N	VAL			26.613	11.652	24.544	1.00 41.56
ATOM	2037	CA	VAL			25.550	10.966	25.288	1.00 44.74
MOTA	2038	CB	VAL			25.984	10.636	26.722	1.00 43.78
ATOM	2039		VAL			26.585	11.844	27.428	1.00 22.16
ATOM	2040		VAL			24.822	10.084	27.544	1.00 24.65
ATOM	2041	C	VAL			24.316	11.852	25.185	1.00 43.38
ATOM	2042	0	VAL			24.418	13.084	25.177	1.00 32.23
ATOM	2042	N	ASP			23.146	11.232	25.058	1.00 35.09
ATOM	2043	CA	ASP			21.929	12.022	24.874	1.00 36.34
ATOM	2045	CB	ASP			21.323	11.723	23.500	1.00 28.68
ATOM	2045	CG	ASP			20.345	12.806	23.075	1.00 25.29
ATOM	2047		ASP			20.343	13.875	23.726	1.00 33.02
ATOM	2047		ASP			19.581	12.595	22.112	1.00 33.52
ATOM	2049	C	ASP			20.936	11.754	25.993	1.00 33.69
ATOM	2050	0	ASP			19.969	11.023	25.818	1.00 35.34
ATOM	2051	N	ILE			21.171	12.338	27.166	1.00 29.39
ATOM	2052	CA	ILE			20.262	12.106	28.281	1.00 23.33
ATOM	2052	CB	ILE			20.840	12.632	29.611	1.00 33.58
ATOM	2054	CG1	ILE			22.112	11.900	30.045	1.00 34.59
MOTA	2055	CD1				22.785	12.475	31.270	1.00 32.68
ATOM	2056	CG2	ILE			19.793	12.604	30.714	1.00 21.45
ATOM	2057	C	ILE			18.909	12.754	28.018	1.00 36.45
MOTA	2058	0	ILE			17.873	12.152	28.319	1.00 29.72
ATOM	2059	N	TYR			18.921	13.967	27.465	1.00 23.18
ATOM	2060	CA	TYR			17.658	14.663	27.204	1.00 23.24
MOTA	2061	CB	TYR			17.927	16.065	26.659	1.00 21.30
ATOM	2062	CG	TYR			16.720	16.885	26.286	1.00 28.11
ATOM	2063	CD1				16.099	17.722	27.205	1.00 30.12
MOTA	2064	CE1				14.991	18.475	26.855	1.00 36.51
ATOM	2065	CZ	TYR			14.486	18.401	25.576	1.00 39.07
ATOM	2066	ОН	TYR			13.384	19.137	25.206	1.00 39.75
ATOM	2067		TYR			15.082	17.578	24.641	1.00 33.12
ATOM	2068		TYR			16.183	16.837	25.003	1.00 30.11
ATOM	2069	C	TYR			16.810	13.851	26.229	1.00 23.51
ATOM	2070	0	TYR			15.604	13.715	26.425	1.00 26.03
ATOM	2071	N	GLY			17.435	13.350	25.181	1.00 21.12
ATOM	2072	CA	GLY			16.774	12.633	24.100	1.00 24.69
ATOM	2072	C	GLY			16.230	11.296	24.575	1.00 30.05
ATOM	2074	0	GLY			15.206	10.793	24.115	1.00 26.82
ATOM	2075	N	ALA			16.950	10.705	25.531	1.00 28.67
ATOM	2076	CA	ALA			16.477	9.436	26.087	1.00 28.22
ATOM	2077	CB	ALA			17.538	8.828	26.980	1.00 23.79
ATOM	2078	C	ALA			15.165	9.685	26.816	1.00 25.48
ATOM	2079	Ö	ALA			14.174	8.993	26.612	1.00 21.68

ATOM 2080 N VAL A 277												
ATOM 2082 CB VAL A 277	ATOM	2080	N	VAL	Α	277	15.1	.34	10.709	27.669	1.00	19.63
ATOM 2082 CB VAL A 277	АТОМ	2081	CA	VAL	Α	277	13.9	28	10.960	28.450	1.00	18.94
ATOM 2083 CG1 VAL A 277											1.00	18,63
ATOM 2084 CG2 VAL A 277												
ATOM 2085 C VAL A 277 12.820 11.458 27.538 1.00 22.49 ATOM 2086 O VAL A 277 11.642 11.184 27.731 1.00 18.77 ATOM 2087 N HIS A 278 13.225 12.224 26.522 1.00 20.21 ATOM 2089 CA HIS A 278 12.226 12.729 25.587 1.00 20.71 ATOM 2089 CB HIS A 278 12.280 12.729 25.587 1.00 20.77 ATOM 2089 CB HIS A 278 11.915 14.109 23.501 1.00 27.73 ATOM 2091 ND1 HIS A 278 11.915 14.109 23.501 1.00 27.73 ATOM 2092 CEI HIS A 278 11.599 13.361 22.387 1.00 26.78 ATOM 2093 NE2 HIS A 278 10.741 14.023 21.661 1.00 26.78 ATOM 2094 CD2 HIS A 278 10.441 15.169 22.258 1.00 30.40 ATOM 2095 C HIS A 278 10.441 15.169 22.258 1.00 30.40 ATOM 2094 CD2 HIS A 278 11.505 11.529 24.958 1.00 17.28 ATOM 2096 O HIS A 278 11.505 11.529 24.958 1.00 17.28 ATOM 2097 N ASP A 279 12.283 10.576 24.448 1.00 19.78 ATOM 2098 CA ASP A 279 12.283 10.576 24.448 1.00 19.78 ATOM 2099 CB ASP A 279 12.283 10.576 24.448 1.00 19.78 ATOM 2099 CB ASP A 279 12.830 8.508 23.192 1.00 23.11 ATOM 2099 CB ASP A 279 12.830 8.508 23.192 1.00 31.32 ATOM 2100 CG ASP A 279 12.830 8.508 23.192 1.00 31.32 ATOM 2101 ODI ASP A 279 12.830 8.508 23.192 1.00 31.32 ATOM 2102 OD2 ASP A 279 12.845 7.760 21.931 1.00 44.27 ATOM 2103 C ASP A 279 12.830 8.508 23.192 1.00 31.21 ATOM 2104 O ASP A 279 12.830 8.508 23.192 1.00 31.21 ATOM 2105 N LEU A 280 11.327 8.486 25.974 1.00 18.29 ATOM 2106 CA LEU A 280 11.327 8.486 25.974 1.00 18.29 ATOM 2106 CA LEU A 280 11.327 7.786 26.974 1.00 18.29 ATOM 2107 CB LEU A 280 11.327 7.786 26.974 1.00 18.29 ATOM 2108 CG LEU A 280 11.327 7.786 26.974 1.00 18.29 ATOM 2101 CD2 LEU A 280 11.327 8.486 25.974 1.00 18.29 ATOM 2102 CD2 LEU A 280 11.327 8.486 25.974 1.00 18.29 ATOM 2103 C ASP A 279 9.794 8.139 24.359 1.00 17.27 ATOM 2106 CA LEU A 280 11.527 7.751 28.301 1.00 15.55 ATOM 2107 CB LEU A 280 11.527 7.751 28.301 1.00 15.55 ATOM 2108 CG LEU A 280 11.527 7.751 28.301 1.00 15.55 ATOM 2113 N ARG A 281 9.152 9.785 27.240 1.00 18.47 ATOM 2113 N ARG A 281 9.152 9.785 27.240 1.00 18.47 ATOM 2113 N ARG A 281 9.152 9.785 27.240 1.00 18.47 ATOM 2113 C LEU A 280 8.810 9.977 23.899												
ATOM 2086 O VAL A 277												
ATOM 2087 N HIS A 278	ATOM	2085	С									
ATOM 2088 CA HIS A 278	MOTA	2086	0	VAL	A	277	11.6	542				
ATOM 2088 CA HIS A 278	ATOM	2087	N	HIS	Α	278	13.2	225	12.224	26.522	1.00	20.21
ATOM 2089 CB HIS A 278	ATOM	2088	CA	HIS	Α	278	12.2	220	12.729	25.587	1.00	20.77
ATOM 2090 CG HIS A 278			СВ	HIS	Α	278	12.8	888	13.637	24.538	1.00	19.46
ATOM 2091 ND1 HIS A 278											1.00	27.73
ATOM 2092 CEI HTS A 278												
ATOM 2093 NE2 HIS A 278												
ATOM 2094 CD2 HIS A 278												
ATOM 2095 C HIS A 278												
ATOM 2096 O HIS A 278	ATOM											
ATOM 2097 N ASP A 279 12.283 10.576 24.448 1.00 19.78 ATOM 2098 CA ASP A 279 11.736 9.408 23.766 1.00 23.11 ATOM 2099 CB ASP A 279 12.830 8.508 23.192 1.00 31.32 ATOM 2100 CG ASP A 279 12.445 7.760 21.931 1.00 41.53 ATOM 2101 OD1 ASP A 279 11.649 8.288 21.124 1.00 44.27 ATOM 2102 OD2 ASP A 279 12.924 6.627 21.689 1.00 31.21 ATOM 2103 C ASP A 279 10.860 8.613 24.733 1.00 16.22 ATOM 2104 O ASP A 279 10.860 8.613 24.733 1.00 16.22 ATOM 2105 N LEU A 280 11.327 8.486 25.974 1.00 18.29 ATOM 2106 CA LEU A 280 10.517 7.786 26.974 1.00 19.74 ATOM 2107 CB LEU A 280 10.517 7.786 26.974 1.00 19.74 ATOM 2108 CG LEU A 280 11.270 7.751 28.301 1.00 15.547 ATOM 2100 CD2 LEU A 280 13.190 6.944 29.734 1.00 23.32 ATOM 2110 CD2 LEU A 280 11.836 5.303 28.501 1.00 23.32 ATOM 2110 CD2 LEU A 280 9.162 8.456 27.109 1.00 19.74 ATOM 2111 C LEU A 280 8.100 7.831 27.099 1.00 15.47 ATOM 2112 O LEU A 280 8.100 7.831 27.099 1.00 15.47 ATOM 2113 N ARG A 281 9.152 9.785 27.240 1.00 19.73 ATOM 2112 C LEU A 280 8.100 7.831 27.099 1.00 15.47 ATOM 2113 N ARG A 281 9.152 9.785 27.240 1.00 19.75 ATOM 2114 CA ARG A 281 9.152 9.785 27.240 1.00 17.32 ATOM 2116 CG ARG A 281 8.195 12.047 27.522 1.00 21.28 ATOM 2116 CG ARG A 281 8.195 12.047 27.522 1.00 21.28 ATOM 2118 NE ARG A 281 8.195 12.047 27.522 1.00 21.28 ATOM 2119 CD ARG A 281 8.318 12.580 29.951 1.00 34.02 ATOM 2112 NH2 ARG A 281 8.318 12.580 29.951 1.00 34.02 ATOM 2112 NH2 ARG A 281 8.318 12.580 29.951 1.00 34.02 ATOM 2112 NH2 ARG A 281 8.351 13.737 32.071 1.00 39.25 ATOM 2120 NH1 ARG A 281 8.351 13.737 32.071 1.00 39.25 ATOM 2121 NH2 ARG A 281 9.199 13.015 31.026 1.00 16.87 ATOM 2123 NH2 ARG A 281 9.769 14.055 32.972 1.00 16.87 ATOM 2123 NH2 ARG A 281 9.759 14.129 32.206 1.00 60.17 ATOM 2121 NH2 ARG A 281 9.759 14.129 32.206 1.00 16.87 ATOM 2122 C ARG A 281 9.759 14.129 32.206 1.00 16.87 ATOM 2124 N LEU A 282 6.620 9.977 23.899 1.00 17.78 ATOM 2125 CA LEU A 282 6.620 9.977 23.899 1.00 17.78 ATOM 2126 CB LEU A 282 7.338 9.907 22.559 1.00 21.15 ATOM 2128 CD1 LEU A 282 7.338 9.907 22.559 1.00 21.15	ATOM	2095	С									
ATOM 2098 CA ASP A 279 11.736 9.408 23.766 1.00 23.11 ATOM 2099 CB ASP A 279 12.830 8.508 23.192 1.00 31.32 ATOM 2100 CG ASP A 279 12.445 7.760 21.931 1.00 41.53 ATOM 2101 OD1 ASP A 279 11.649 8.288 21.124 1.00 44.27 ATOM 2102 OD2 ASP A 279 12.924 6.627 21.689 1.00 31.21 ATOM 2103 C ASP A 279 10.860 8.613 24.733 1.00 16.22 ATOM 2104 O ASP A 279 9.794 8.139 24.359 1.00 17.27 ATOM 2105 N LEU A 280 11.327 8.486 25.974 1.00 18.29 ATOM 2106 CA LEU A 280 11.327 8.486 25.974 1.00 19.74 ATOM 2107 CB LEU A 280 11.270 7.751 28.301 1.00 19.74 ATOM 2108 CG LEU A 280 11.390 6.944 29.734 1.00 26.78 ATOM 2100 CD2 LEU A 280 11.836 5.303 28.501 1.00 32.51 ATOM 2110 CD2 LEU A 280 9.162 8.456 27.109 1.00 19.74 ATOM 2111 C LEU A 280 9.162 8.456 27.109 1.00 19.74 ATOM 2112 O LEU A 280 8.100 7.831 27.099 1.00 15.47 ATOM 2113 N ARG A 281 9.152 9.785 27.240 1.00 18.47 ATOM 2114 CA ARG A 281 9.152 9.785 27.402 1.00 18.47 ATOM 2115 CB ARG A 281 9.152 9.785 27.402 1.00 18.47 ATOM 2116 CG ARG A 281 9.152 9.785 27.402 1.00 18.47 ATOM 2117 CD ARG A 281 9.152 9.785 27.402 1.00 18.47 ATOM 2118 NE ARG A 281 9.151 12.436 28.661 1.00 29.75 ATOM 2119 CZ ARG A 281 9.152 9.785 27.402 1.00 18.47 ATOM 2119 CZ ARG A 281 9.152 9.785 27.402 1.00 18.47 ATOM 2119 CZ ARG A 281 9.159 13.015 31.026 1.00 39.23 ATOM 2110 CD2 LEU A 280 9.164 8.510 31.026 1.00 39.23 ATOM 2112 NH2 ARG A 281 9.199 13.015 31.026 1.00 39.23 ATOM 2112 NH2 ARG A 281 9.199 13.015 31.026 1.00 39.23 ATOM 2120 NH1 ARG A 281 9.799 13.015 31.026 1.00 39.23 ATOM 2121 NH2 ARG A 281 9.769 14.055 32.972 1.00 36.32 ATOM 2122 C ARG A 281 9.769 14.055 32.972 1.00 36.32 ATOM 2123 C ARG A 281 9.769 14.055 32.972 1.00 36.32 ATOM 2124 N LEU A 282 6.620 9.977 23.899 1.00 17.78 ATOM 2125 CA LEU A 282 6.620 9.977 23.899 1.00 17.78 ATOM 2126 CB LEU A 282 7.549 10.111 25.034 1.00 15.85 ATOM 2127 CG LEU A 282 7.338 9.907 22.559 1.00 21.15 ATOM 2128 CD1 LEU A 282 7.338 9.907 22.559 1.00 21.15 ATOM 2128 CD1 LEU A 282 7.338 9.907 22.559 1.00 28.84	ATOM	2096	0	HIS	Α	278						
ATOM 2099 CB ASP A 279 12.830 8.508 23.192 1.00 31.32 ATOM 2100 CG ASP A 279 12.445 7.760 21.931 1.00 41.53 ATOM 2101 OD1 ASP A 279 11.649 8.288 21.124 1.00 44.27 ATOM 2102 OD2 ASP A 279 10.860 8.613 24.733 1.00 16.22 ATOM 2103 C ASP A 279 9.794 8.139 24.359 1.00 17.27 ATOM 2105 N LEU A 280 11.327 8.486 25.974 1.00 18.29 ATOM 2106 CA LEU A 280 10.517 7.786 26.974 1.00 18.29 ATOM 2107 CB LEU A 280 11.270 7.751 28.301 1.00 15.55 ATOM 2108 CG LEU A 280 11.270 7.751 28.301 1.00 26.78 ATOM 2109 CD1 LEU A 280 13.190 6.944 29.734 1.00 23.32 ATOM 2110 CD2 LEU A 280 11.836 5.303 28.501 1.00 32.51 ATOM 2111 C LEU A 280 8.100 7.831 27.099 1.00 15.47 ATOM 2112 O LEU A 280 8.100 7.831 27.099 1.00 15.47 ATOM 2113 N ARG A 281 9.152 9.785 27.240 1.00 19.74 ATOM 2114 CA ARG A 281 9.152 9.785 27.240 1.00 19.74 ATOM 2115 CB ARG A 281 8.195 12.047 27.22 1.00 21.28 ATOM 2116 CG ARG A 281 9.152 9.785 27.402 1.00 18.47 ATOM 2117 CD ARG A 281 9.152 9.785 27.402 1.00 12.78 ATOM 2118 NE ARG A 281 9.152 9.785 27.402 1.00 12.88 ATOM 2118 NE ARG A 281 9.152 9.785 27.402 1.00 12.78 ATOM 2117 CD ARG A 281 9.152 9.785 27.402 1.00 12.88 ATOM 2118 NE ARG A 281 9.152 9.785 27.402 1.00 12.28 ATOM 2119 CZ ARG A 281 9.152 9.785 27.402 1.00 18.47 ATOM 2112 O LEU A 280 8.318 12.580 29.951 1.00 34.02 ATOM 2114 CA ARG A 281 9.152 9.785 27.402 1.00 18.47 ATOM 2115 CB ARG A 281 9.159 13.015 31.026 1.00 37.36 ATOM 2112 O NH1 ARG A 281 9.159 12.047 27.522 1.00 21.28 ATOM 2112 O ARG A 281 9.159 13.015 31.026 1.00 37.36 ATOM 2123 O ARG A 281 9.199 13.015 31.026 1.00 36.32 ATOM 2122 C ARG A 281 9.769 14.055 32.972 1.00 36.32 ATOM 2123 NH1 ARG A 281 9.769 14.055 32.972 1.00 36.32 ATOM 2124 N LEU A 282 6.620 9.977 23.899 1.00 17.78 ATOM 2125 CA LEU A 282 6.620 9.977 23.899 1.00 17.78 ATOM 2124 N LEU A 282 7.549 10.111 25.034 1.00 15.85 ATOM 2125 CA LEU A 282 6.620 9.977 23.899 1.00 17.78 ATOM 2126 CB LEU A 282 7.338 9.907 22.559 1.00 21.15 ATOM 2128 CD1 LEU A 282 7.338 9.907 22.559 1.00 21.15 ATOM 2128 CD1 LEU A 282 7.338 9.907 22.559 1.00 21.15 ATOM 2128 CD1 L	ATOM	2097	N	ASP	Α	279	12.2	283	10.576	24.448	1.00	19.78
ATOM 2099 CB ASP A 279 12.830 8.508 23.192 1.00 31.32 ATOM 2100 CG ASP A 279 12.445 7.760 21.931 1.00 41.53 ATOM 2101 OD1 ASP A 279 11.649 8.288 21.124 1.00 44.27 ATOM 2102 OD2 ASP A 279 12.924 6.627 21.689 1.00 31.21 ATOM 2103 C ASP A 279 10.860 8.613 24.733 1.00 16.22 ATOM 2104 O ASP A 279 9.794 8.133 24.359 1.00 17.27 ATOM 2105 N LEU A 280 11.327 8.486 25.974 1.00 18.29 ATOM 2106 CA LEU A 280 10.517 7.786 26.974 1.00 19.74 ATOM 2107 CB LEU A 280 11.270 7.751 28.301 1.00 19.74 ATOM 2107 CB LEU A 280 11.270 7.751 28.301 1.00 26.78 ATOM 2108 CG LEU A 280 13.190 6.944 29.734 1.00 23.51 ATOM 2110 CD2 LEU A 280 11.836 5.303 28.501 1.00 32.51 ATOM 2111 C LEU A 280 9.162 8.456 27.109 1.00 19.74 ATOM 2112 O LEU A 280 9.162 8.456 27.109 1.00 19.74 ATOM 2113 N ARG A 281 9.152 9.785 27.240 1.00 19.74 ATOM 2114 CA ARG A 281 9.152 9.785 27.240 1.00 19.74 ATOM 2115 CB ARG A 281 9.152 9.785 27.240 1.00 19.74 ATOM 2116 CG ARG A 281 9.152 9.785 27.240 1.00 19.75 ATOM 2116 CG ARG A 281 9.152 9.785 27.402 1.00 21.28 ATOM 2117 CD ARG A 281 8.318 12.580 29.951 1.00 34.02 ATOM 2118 NE ARG A 281 9.151 12.436 28.661 1.00 29.75 ATOM 2119 CZ ARG A 281 8.318 12.580 29.951 1.00 34.02 ATOM 2119 CZ ARG A 281 9.199 13.015 31.026 1.00 39.23 ATOM 2119 CZ ARG A 281 9.199 13.015 31.026 1.00 39.23 ATOM 2120 NH1 ARG A 281 9.199 13.015 31.026 1.00 39.23 ATOM 2121 NH2 ARG A 281 9.199 13.015 31.026 1.00 39.23 ATOM 2122 C ARG A 281 9.199 13.015 31.026 1.00 39.23 ATOM 2122 C ARG A 281 9.769 14.055 32.972 1.00 36.32 ATOM 2122 C ARG A 281 9.769 14.055 32.972 1.00 36.32 ATOM 2123 NH ARG A 281 9.769 14.055 32.972 1.00 36.32 ATOM 2124 N LEU A 282 6.620 9.977 23.899 1.00 17.78 ATOM 2125 CA LEU A 282 6.620 9.977 23.899 1.00 17.78 ATOM 2125 CA LEU A 282 7.549 10.111 25.034 1.00 15.85 ATOM 2125 CA LEU A 282 7.549 10.111 25.034 1.00 15.85 ATOM 2125 CA LEU A 282 7.549 10.111 25.034 1.00 15.85 ATOM 2125 CA LEU A 282 7.549 10.111 25.034 1.00 15.85 ATOM 2125 CA LEU A 282 7.549 10.111 25.034 1.00 28.74 ATOM 2126 CB LEU A 282 7.338 9.907 22.559 1.00 21.15 ATOM 2128	MOTA	2098	CA	ASP	Α	279	11.7	136	9.408	23.766	1.00	23.11
ATOM 2100 CG ASP A 279 12.445 7.760 21.931 1.00 41.53 ATOM 2101 OD1 ASP A 279 11.649 8.288 21.124 1.00 44.27 ATOM 2102 OD2 ASP A 279 12.924 6.627 21.689 1.00 31.21 ATOM 2103 C ASP A 279 10.860 8.613 24.733 1.00 16.22 ATOM 2104 O ASP A 279 9.794 8.139 24.359 1.00 17.27 ATOM 2105 N LEU A 280 11.327 8.486 25.974 1.00 18.29 ATOM 2106 CA LEU A 280 10.517 7.786 26.974 1.00 19.74 ATOM 2107 CB LEU A 280 11.270 7.751 28.301 1.00 26.78 ATOM 2108 CG LEU A 280 11.270 7.751 28.301 1.00 26.78 ATOM 2109 CD1 LEU A 280 13.190 6.944 29.734 1.00 23.32 ATOM 2110 CD2 LEU A 280 11.836 5.303 28.501 1.00 25.51 ATOM 2111 C LEU A 280 9.162 8.456 27.109 1.00 19.74 ATOM 2112 O LEU A 280 8.100 7.831 27.099 1.00 15.47 ATOM 2113 N ARG A 281 9.152 9.785 27.402 1.00 17.32 ATOM 2116 CG ARG A 281 8.195 12.047 27.522 1.00 21.28 ATOM 2116 CG ARG A 281 8.195 12.047 27.522 1.00 21.28 ATOM 2116 CG ARG A 281 8.195 12.047 27.522 1.00 21.28 ATOM 2118 NE ARG A 281 8.195 12.047 27.522 1.00 21.28 ATOM 2118 NE ARG A 281 8.195 12.047 27.522 1.00 34.02 ATOM 2112 NH2 ARG A 281 8.315 12.540 29.951 1.00 37.36 ATOM 2120 NH1 ARG A 281 8.315 12.436 28.661 1.00 29.75 ATOM 2120 NH1 ARG A 281 8.315 12.436 28.661 1.00 39.23 ATOM 2120 NH1 ARG A 281 8.851 13.737 32.071 1.00 39.23 ATOM 2120 NH1 ARG A 281 8.851 13.737 32.071 1.00 39.23 ATOM 2120 NH1 ARG A 281 8.851 13.737 32.071 1.00 39.23 ATOM 2121 NH2 ARG A 281 8.851 13.737 32.071 1.00 39.23 ATOM 2122 C ARG A 281 8.851 13.737 32.071 1.00 39.23 ATOM 2122 C ARG A 281 8.851 13.737 32.071 1.00 39.23 ATOM 2122 C ARG A 281 8.851 13.737 32.071 1.00 37.36 ATOM 2122 C ARG A 281 5.785 10.568 26.424 1.00 18.99 ATOM 2123 O ARG A 281 5.785 10.568 26.424 1.00 18.99 ATOM 2124 N LEU A 282 7.549 10.111 25.034 1.00 15.85 ATOM 2125 CA LEU A 282 7.549 10.111 25.034 1.00 15.85 ATOM 2125 CA LEU A 282 7.549 10.111 25.034 1.00 15.85 ATOM 2125 CA LEU A 282 7.549 10.111 25.034 1.00 15.85 ATOM 2125 CA LEU A 282 7.549 10.111 25.034 1.00 28.74 ATOM 2125 CA LEU A 282 7.549 10.111 25.034 1.00 28.74 ATOM 2125 CA LEU A 282 7.538 9.907 22.559 1.00 21.15	ATOM		СВ	ASP	Α	279	12.8	330	8.508	23.192	1.00	31.32
ATOM 2101 OD1 ASP A 279									7.760	21.931	1.00	41.53
ATOM 2102 OD2 ASP A 279 12.924 6.627 21.689 1.00 31.21 ATOM 2103 C ASP A 279 10.860 8.613 24.733 1.00 16.22 ATOM 2104 O ASP A 279 9.794 8.139 24.359 1.00 17.27 ATOM 2105 N LEU A 280 11.327 8.486 25.974 1.00 18.29 ATOM 2106 CA LEU A 280 10.517 7.786 26.974 1.00 19.74 ATOM 2107 CB LEU A 280 11.270 7.751 28.301 1.00 15.55 ATOM 2108 CG LEU A 280 12.388 6.723 28.463 1.00 26.78 ATOM 2109 CD1 LEU A 280 13.190 6.944 29.734 1.00 23.32 ATOM 2110 CD2 LEU A 280 11.836 5.303 28.501 1.00 32.51 ATOM 2111 C LEU A 280 11.836 5.303 28.501 1.00 32.51 ATOM 2112 O LEU A 280 8.100 7.831 27.099 1.00 19.74 ATOM 2113 N ARG A 281 9.152 9.785 27.240 1.00 19.74 ATOM 2115 CB ARG A 281 9.152 9.785 27.240 1.00 17.32 ATOM 2116 CG ARG A 281 9.152 9.785 27.240 1.00 17.32 ATOM 2117 CD ARG A 281 8.195 12.047 27.522 1.00 21.28 ATOM 2117 CD ARG A 281 8.195 12.047 27.522 1.00 21.28 ATOM 2118 NE ARG A 281 8.181 12.580 29.951 1.00 34.02 ATOM 2117 CD ARG A 281 8.318 12.580 29.951 1.00 39.23 ATOM 2119 CZ ARG A 281 8.318 12.580 29.951 1.00 39.23 ATOM 2120 NH1 ARG A 281 9.199 13.015 31.026 1.00 37.36 ATOM 2120 NH1 ARG A 281 9.769 14.055 32.972 1.00 36.32 ATOM 2121 NH2 ARG A 281 9.769 14.055 32.972 1.00 36.32 ATOM 2123 O ARG A 281 9.769 14.055 32.972 1.00 36.32 ATOM 2123 O ARG A 281 9.769 14.055 32.972 1.00 16.87 ATOM 2123 O ARG A 281 9.769 14.055 32.972 1.00 16.87 ATOM 2124 N LEU A 282 7.549 10.111 25.034 1.00 15.85 ATOM 2122 CA LEU A 282 7.549 10.111 25.034 1.00 15.85 ATOM 2123 CA LEU A 282 7.549 10.111 25.034 1.00 15.85 ATOM 2124 N LEU A 282 7.549 10.111 25.034 1.00 15.85 ATOM 2125 CA LEU A 282 7.549 10.111 25.034 1.00 15.85 ATOM 2126 CB LEU A 282 7.338 9.907 22.559 1.00 21.15 ATOM 2127 CG LEU A 282 8.660 11.126 21.997 1.00 32.88 ATOM 2128 CD1 LEU A 282 7.338 9.907 22.559 1.00 21.15 ATOM 2129 CD2 LEU A 282 7.338 9.907 22.559 1.00 21.15 ATOM 2129 CD2 LEU A 282 7.338 9.907 22.559 1.00 21.15 ATOM 2129 CD2 LEU A 282 7.333 12.311 21.783 1.00 24.88 ATOM 2129 CD2 LEU A 282 7.133 12.311 21.783 1.00 24.88 ATOM 2130 C LEU A 282 7.133 12.311 21.783 1.00 24.88 ATOM												
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ATOM 2109 CD1 LEU A 280	ATOM	2107	CB	LEU	Α	280	11.2	270	7.751	28.301	1.00	15.55
ATOM 2110 CD2 LEU A 280	ATOM	2108	CG	LEU	Α	280	12.3	388	6.723	28.463		
ATOM 2111 C LEU A 280 9.162 8.456 27.109 1.00 32.51 ATOM 2112 O LEU A 280 8.100 7.831 27.099 1.00 15.47 ATOM 2113 N ARG A 281 9.152 9.785 27.240 1.00 17.32 ATOM 2115 CB ARG A 281 7.931 10.535 27.402 1.00 18.47 ATOM 2116 CG ARG A 281 8.195 12.047 27.522 1.00 21.28 ATOM 2117 CD ARG A 281 9.115 12.436 28.661 1.00 29.75 ATOM 2118 NE ARG A 281 8.318 12.580 29.951 1.00 34.02 ATOM 2118 NE ARG A 281 8.318 12.580 29.951 1.00 34.02 ATOM 2119 CZ ARG A 281 8.851 13.737 32.071 1.00 39.23 ATOM 2120 NH1 ARG A 281 8.851 13.737 32.071 1.00 39.23 ATOM 2121 NH2 ARG A 281 9.769 14.055 32.972 1.00 36.32 ATOM 2122 C ARG A 281 9.769 14.055 32.972 1.00 36.32 ATOM 2123 O ARG A 281 9.769 14.055 32.972 1.00 36.32 ATOM 2124 N LEU A 282 7.549 10.111 25.034 1.00 18.99 ATOM 2125 CA LEU A 282 7.549 10.111 25.034 1.00 15.85 ATOM 2126 CB LEU A 282 7.338 9.907 22.559 1.00 21.15 ATOM 2127 CG LEU A 282 8.060 11.126 21.997 1.00 32.88 ATOM 2128 CD1 LEU A 282 8.732 10.767 20.673 1.00 24.88 ATOM 2129 CD2 LEU A 282 7.133 12.311 21.783 1.00 24.88 ATOM 2129 CD2 LEU A 282 7.133 12.311 21.783 1.00 24.88 ATOM 2130 C LEU A 282 5.763 8.721 24.078 1.00 18.42	ATOM	2109	CD1	LEU	Α	280	13.1	190	6.944	29.734	1.00	23.32
ATOM 2111 C LEU A 280 9.162 8.456 27.109 1.00 19.74 ATOM 2112 O LEU A 280 8.100 7.831 27.099 1.00 15.47 ATOM 2113 N ARG A 281 9.152 9.785 27.240 1.00 17.32 ATOM 2114 CA ARG A 281 7.931 10.535 27.402 1.00 18.47 ATOM 2115 CB ARG A 281 8.195 12.047 27.522 1.00 21.28 ATOM 2116 CG ARG A 281 9.115 12.436 28.661 1.00 29.75 ATOM 2117 CD ARG A 281 8.318 12.580 29.951 1.00 34.02 ATOM 2118 NE ARG A 281 9.199 13.015 31.026 1.00 37.36 ATOM 2119 CZ ARG A 281 8.851 13.737 32.071 1.00 39.23 ATOM 2120 NH1 ARG A 281 8.851 13.737 32.071 1.00 39.23 ATOM 2121 NH2 ARG A 281 9.769 14.055 32.972 1.00 36.32 ATOM 2122 C ARG A 281 9.769 14.055 32.972 1.00 36.32 ATOM 2123 O ARG A 281 9.769 14.055 32.972 1.00 36.32 ATOM 2124 N LEU A 282 7.549 10.111 25.034 1.00 18.99 ATOM 2125 CA LEU A 282 7.549 10.111 25.034 1.00 15.85 ATOM 2126 CB LEU A 282 7.338 9.907 22.559 1.00 21.15 ATOM 2127 CG LEU A 282 8.060 11.126 21.997 1.00 32.88 ATOM 2128 CD1 LEU A 282 8.732 10.767 20.673 1.00 28.74 ATOM 2129 CD2 LEU A 282 7.133 12.311 21.783 1.00 24.88 ATOM 2129 CD2 LEU A 282 7.133 12.311 21.783 1.00 24.88 ATOM 2130 C LEU A 282 5.763 8.721 24.078 1.00 18.42							11.8	336	5.303	28.501	1.00	32.51
ATOM 2112 O LEU A 280 8.100 7.831 27.099 1.00 15.47 ATOM 2113 N ARG A 281 9.152 9.785 27.240 1.00 17.32 ATOM 2114 CA ARG A 281 7.931 10.535 27.402 1.00 18.47 ATOM 2115 CB ARG A 281 8.195 12.047 27.522 1.00 21.28 ATOM 2116 CG ARG A 281 9.115 12.436 28.661 1.00 29.75 ATOM 2117 CD ARG A 281 8.318 12.580 29.951 1.00 34.02 ATOM 2118 NE ARG A 281 9.199 13.015 31.026 1.00 37.36 ATOM 2119 CZ ARG A 281 8.851 13.737 32.071 1.00 39.23 ATOM 2120 NH1 ARG A 281 7.595 14.129 32.206 1.00 60.17 ATOM 2121 NH2 ARG A 281 9.769 14.055 32.972 1.00 36.32 ATOM 2122 C ARG A 281 6.987 10.381 26.220 1.00 16.87 ATOM 2123 O ARG A 281 5.785 10.568 26.424 1.00 18.99 ATOM 2124 N LEU A 282 7.549 10.111 25.034 1.00 15.85 ATOM 2125 CA LEU A 282 6.620 9.977 23.899 1.00 17.78 ATOM 2126 CB LEU A 282 7.338 9.907 22.559 1.00 21.15 ATOM 2127 CG LEU A 282 8.732 10.767 20.673 1.00 28.74 ATOM 2128 CD1 LEU A 282 7.133 12.311 21.783 1.00 24.88 ATOM 2129 CD2 LEU A 282 7.133 12.311 21.783 1.00 24.88 ATOM 2129 CD2 LEU A 282 7.133 12.311 21.783 1.00 24.88 ATOM 2129 CD2 LEU A 282 7.133 12.311 21.783 1.00 24.88 ATOM 2130 C LEU A 282 5.763 8.721 24.078 1.00 18.42										27.109	1.00	19.74
ATOM 2113 N ARG A 281 9.152 9.785 27.240 1.00 17.32 ATOM 2114 CA ARG A 281 7.931 10.535 27.402 1.00 18.47 ATOM 2115 CB ARG A 281 8.195 12.047 27.522 1.00 21.28 ATOM 2116 CG ARG A 281 9.115 12.436 28.661 1.00 29.75 ATOM 2117 CD ARG A 281 8.318 12.580 29.951 1.00 34.02 ATOM 2118 NE ARG A 281 9.199 13.015 31.026 1.00 37.36 ATOM 2119 CZ ARG A 281 8.851 13.737 32.071 1.00 39.23 ATOM 2120 NH1 ARG A 281 7.595 14.129 32.206 1.00 60.17 ATOM 2121 NH2 ARG A 281 9.769 14.055 32.972 1.00 36.32 ATOM 2122 C ARG A 281 6.987 10.381 26.220 1.00 16.87 ATOM 2123 O ARG A 281 5.785 10.568 26.424 1.00 18.99 ATOM 2124 N LEU A 282 7.549 10.111 25.034 1.00 15.85 ATOM 2125 CA LEU A 282 7.549 10.111 25.034 1.00 15.85 ATOM 2126 CB LEU A 282 7.338 9.907 22.559 1.00 21.15 ATOM 2127 CG LEU A 282 8.060 11.126 21.997 1.00 32.88 ATOM 2128 CD1 LEU A 282 8.732 10.767 20.673 1.00 24.88 ATOM 2129 CD2 LEU A 282 7.133 12.311 21.783 1.00 24.88 ATOM 2129 CD2 LEU A 282 7.133 12.311 21.783 1.00 24.88 ATOM 2130 C LEU A 282 5.763 8.721 24.078 1.00 18.42												
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ATOM 2115 CB ARG A 281 8.195 12.047 27.522 1.00 21.28 ATOM 2116 CG ARG A 281 9.115 12.436 28.661 1.00 29.75 ATOM 2117 CD ARG A 281 8.318 12.580 29.951 1.00 34.02 ATOM 2118 NE ARG A 281 9.199 13.015 31.026 1.00 37.36 ATOM 2119 CZ ARG A 281 8.851 13.737 32.071 1.00 39.23 ATOM 2120 NH1 ARG A 281 7.595 14.129 32.206 1.00 60.17 ATOM 2121 NH2 ARG A 281 9.769 14.055 32.972 1.00 36.32 ATOM 2122 C ARG A 281 9.769 14.055 32.972 1.00 36.32 ATOM 2123 O ARG A 281 6.987 10.381 26.220 1.00 16.87 ATOM 2124 N LEU A 282 7.549 10.111 25.034 1.00 18.99 ATOM 2125 CA LEU A 282 7.549 10.111 25.034 1.00 15.85 ATOM 2126 CB LEU A 282 7.338 9.907 22.559 1.00 21.15 ATOM 2127 CG LEU A 282 8.060 11.126 21.997 1.00 32.88 ATOM 2128 CD1 LEU A 282 8.732 10.767 20.673 1.00 28.74 ATOM 2129 CD2 LEU A 282 7.133 12.311 21.783 1.00 24.88 ATOM 2130 C LEU A 282 5.763 8.721 24.078 1.00 18.42												
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ATOM 2121 NH2 ARG A 281 9.769 14.055 32.972 1.00 36.32 ATOM 2122 C ARG A 281 6.987 10.381 26.220 1.00 16.87 ATOM 2123 O ARG A 281 5.785 10.568 26.424 1.00 18.99 ATOM 2124 N LEU A 282 7.549 10.111 25.034 1.00 15.85 ATOM 2125 CA LEU A 282 6.620 9.977 23.899 1.00 17.78 ATOM 2126 CB LEU A 282 7.338 9.907 22.559 1.00 21.15 ATOM 2127 CG LEU A 282 8.060 11.126 21.997 1.00 32.88 ATOM 2128 CD1 LEU A 282 8.732 10.767 20.673 1.00 28.74 ATOM 2129 CD2 LEU A 282 7.133 12.311 21.783 1.00 24.88 ATOM 2130 C LEU A 282 5.763 8.721 24.078 1.00 18.42		2120	NH1	ARG	Α	281	7.5	95	14.129	32.206	1.00	60.17
ATOM 2122 C ARG A 281 6.987 10.381 26.220 1.00 16.87 ATOM 2123 O ARG A 281 5.785 10.568 26.424 1.00 18.99 ATOM 2124 N LEU A 282 7.549 10.111 25.034 1.00 15.85 ATOM 2125 CA LEU A 282 6.620 9.977 23.899 1.00 17.78 ATOM 2126 CB LEU A 282 7.338 9.907 22.559 1.00 21.15 ATOM 2127 CG LEU A 282 8.060 11.126 21.997 1.00 32.88 ATOM 2128 CD1 LEU A 282 8.732 10.767 20.673 1.00 28.74 ATOM 2129 CD2 LEU A 282 7.133 12.311 21.783 1.00 24.88 ATOM 2130 C LEU A 282 5.763 8.721 24.078 1.00 18.42							9.7	769	14.055	32.972	1.00	36.32
ATOM 2123 O ARG A 281 5.785 10.568 26.424 1.00 18.99 ATOM 2124 N LEU A 282 7.549 10.111 25.034 1.00 15.85 ATOM 2125 CA LEU A 282 6.620 9.977 23.899 1.00 17.78 ATOM 2126 CB LEU A 282 7.338 9.907 22.559 1.00 21.15 ATOM 2127 CG LEU A 282 8.060 11.126 21.997 1.00 32.88 ATOM 2128 CD1 LEU A 282 8.732 10.767 20.673 1.00 28.74 ATOM 2129 CD2 LEU A 282 7.133 12.311 21.783 1.00 24.88 ATOM 2130 C LEU A 282 5.763 8.721 24.078 1.00 18.42										26.220	1.00	16.87
ATOM 2124 N LEU A 282 7.549 10.111 25.034 1.00 15.85 ATOM 2125 CA LEU A 282 6.620 9.977 23.899 1.00 17.78 ATOM 2126 CB LEU A 282 7.338 9.907 22.559 1.00 21.15 ATOM 2127 CG LEU A 282 8.060 11.126 21.997 1.00 32.88 ATOM 2128 CD1 LEU A 282 8.732 10.767 20.673 1.00 28.74 ATOM 2129 CD2 LEU A 282 7.133 12.311 21.783 1.00 24.88 ATOM 2130 C LEU A 282 5.763 8.721 24.078 1.00 18.42												
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ATOM 2127 CG LEU A 282 8.060 11.126 21.997 1.00 32.88 ATOM 2128 CD1 LEU A 282 8.732 10.767 20.673 1.00 28.74 ATOM 2129 CD2 LEU A 282 7.133 12.311 21.783 1.00 24.88 ATOM 2130 C LEU A 282 5.763 8.721 24.078 1.00 18.42												
ATOM 2128 CD1 LEU A 282 8.732 10.767 20.673 1.00 28.74 ATOM 2129 CD2 LEU A 282 7.133 12.311 21.783 1.00 24.88 ATOM 2130 C LEU A 282 5.763 8.721 24.078 1.00 18.42												
ATOM 2129 CD2 LEU A 282 7.133 12.311 21.783 1.00 24.88 ATOM 2130 C LEU A 282 5.763 8.721 24.078 1.00 18.42												
ATOM 2130 C LEU A 282 5.763 8.721 24.078 1.00 18.42	ATOM											
	MOTA	2129	CD2									
	ATOM	2130	С	LEU	А	282	5.7	163	8.721			
			0	LEU	A	282	4.6	558	8.631	23.532	1.00	21.04

ATOM	2132	N	HIS	Α	283	6.26	3	7.739	24.823	1.00 16.75
MOTA	2133	CA	HIS	Α	283	5.57	4	6.450	24.905	1.00 17.03
ATOM	2134	CB	HIS	Α	283	6.62	1	5.350	24.644	1.00 17.45
ATOM	2135	CG	HIS	Α	283	7.13	3	5.464	23.234	1.00 19.75
MOTA	2136	ND1	HIS	Α	283	6.50	2	4.868	22.169	1.00 24.70
ATOM	2137	CE1	HIS	Α	283	7.15	6	5.149	21.056	1.00 24.61
ATOM	2138		HIS			8.19		5.913	21.353	1.00 23.33
ATOM	2139		HIS			8.18		6.126	22.714	1.00 25.41
ATOM	2140	С			283	4.83		6.199	26.209	1.00 17.38
ATOM	2141	0			283	3.93		5.336	26.249	1.00 12.95
MOTA	2142	N	ARG			5.12		6.923	27.282	1.00 12.46
ATOM	2143	CA	ARG			4.36		6.792	28.527	1.00 12.55
ATOM	2144	CB	ARG			4.86		5.622	29.366	1.00 13.17
MOTA	2145	CG	ARG			4.07		5.322	30.633	1.00 10.87
ATOM	2145	CD	ARG			4.46		3.909	31.097	1.00 17.92
	2140	NE	ARG			3.93		3.546	32.404	1.00 17.92
ATOM						2.75		2.965	32.601	1.00 11.32
MOTA	2148	CZ	ARG						31.577	1.00 13.13
ATOM	2149		ARG			1.95		2.675		
ATOM	2150		ARG			2.34		2.666	33.837	
ATOM	2151	С	ARG			4.49		8.059	29.372	1.00 12.80
ATOM	2152	0	ARG			5.55		8.665	29.370	1.00 13.52
ATOM	2153	N	VAL			3.43		8.425	30.059	1.00 17.40
ATOM	2154	CA	VAL			3.41		9.665	30.847	1.00 15.70
ATOM	2155	CB	VAL			1.99		9.930	31.379	1.00 18.07
MOTA	2156		VAL			1.65		8.972	32.521	1.00 14.53
ATOM	2157		VAL			1.84		1.380	31.837	1.00 21.60
ATOM	2158	С	VAL			4.42		9.640	31.982	1.00 24.82
MOTA	2159	0	VAL			4.76		8.581	32.511	1.00 18.02
ATOM	2160	N	HIS			4.92		0.823	32.336	1.00 22.81
MOTA	2161	CA	HIS			5.81		1.084	33.440	1.00 20.84
MOTA	2162	CB	HIS			5.06		0.872	34.768	1.00 24.11
ATOM	2163	CG	HIS			3.81		1.663	34.965	1.00 28.34
MOTA	2164		HIS			3.76		3.039	34.936	1.00 28.84
MOTA	2165		HIS			2.52		3.448	35.147	1.00 28.83
ATOM	2166		HIS			1.76		2.380	35.317	1.00 32.75
MOTA	2167	CD2	HIS			2.54		1.255	35.216	1.00 26.94
MOTA	2168	C	HIS			7.08		0.232	33.510	1.00 21.64
MOTA	2169	0	HIS			7.66		0.218	34.615	1.00 26.93
ATOM	2170	N	MET			7.55		9.548	32.468	1.00 13.96
MOTA	2171	CA	MET			8.79		8.783	32.560	1.00 13.56
MOTA	2172	СВ	MET			9.22		8.171	31.264	1.00 16.67
MOTA	2173	CG	MET	Α	287	8.74		6.954	30.564	1.00 32.18
MOTA	2174	SD	MET			8.37		5.520	31.623	1.00 31.45
ATOM	2175	CE	MET			6.87		6.119	32.287	1.00 12.41
ATOM	2176	С	MET			9.91		9.708	33.070	1.00 31.47
ATOM	2177	0	MET			10.13		0.813	32.556	1.00 27.35
MOTA	2178	N	VAL			10.58		9.213	34.107	1.00 19.43
ATOM	2179	CA	VAL			11.53		9.968	34.906	1.00 20.51
ATOM	2180	CB	VAL			12.71		0.500	34.089	1.00 18.73
ATOM	2181		VAL			13.59		1.361	34.989	1.00 27.60
ATOM	2182	CG2	VAL			13.50		9.344	33.475	1.00 16.71
ATOM	2183	С	VAL	Α	288	10.78	0 1	1.107	35.584	1.00 24.09

ATOM	2184	0	VAL	Α	288		10.586	12.174	35.013	1.00 30	.01
ATOM	2185	N	GLN	Α	289		10.325	10.820	36.799	1.00 20	.54
ATOM	2186	CA			289		9.237	11.559	37.407		.07
ATOM	2187	СВ			289		8.381	10.595	38.239		.79
ATOM	2188	CG			289		7.078	11.185	38.754		.58
ATOM	2189	CD			289		7.101	11.363	40.266	1.00 34	
ATOM	2190	OE1			289		7.791	10.623	40.200	1.00 35	
ATOM	2191	NE2			289		6.346	12.347	40.753	1.00 20	
ATOM	2192	C			289		9.689	12.720			
ATOM	2192	0			289				38.278	1.00 33 1.00 35	
ATOM	2193	N			299		8.858	13.599	38.525		
ATOM							10.936	12.736	38.736		.88
	2195	CA			290		11.372	13.920	39.491		.02
ATOM	2196	CB			290		11.590	13.611	40.984		.29
ATOM	2197	OG1			290		12.661	12.677	41.160		.40
ATOM	2198	CG2			290		10.331	12.980	41.563	1.00 24	
ATOM	2199	С			290		12.639	14.518	38.909	1.00 23	
ATOM	2200	0			290		13.496	13.903	38.287	1.00 21	
MOTA	2201	N			291		12.806	15.830	39.108	1.00 33	
ATOM	2202	CA	GLU				13.996	16.481	38.534	1.00 26	
ATOM	2203	CB	GLU				13.849	17.986	38.728		.13
ATOM	2204	CG	GLU				14.794	18.656	39.697	1.00 47	
ATOM	2205	CD	GLU				15.133	20.079	39.279	1.00 50	
ATOM	2206	OE1					16.237	20.541	39.645	1.00 58	
ATOM	2207	OE2	GLU				14.306	20.719	38.593	1.00 33	.56
ATOM	2208	С	GLU				15.255	15.901	39.151	1.00 20	.43
ATOM	2209	0	GLU				16.325	15.881	38.543	1.00 24	.26
ATOM	2210	N	CYS				15.139	15.407	40.386	1.00 20	.50
ATOM	2211	CA	CYS				16.308	14.825	41.039	1.00 19	
ATOM	2212	CB	CYS				16.040	14.535	42.517	1.00 31	
ATOM	2213	SG	CYS				17.552	14.159	43.444	1.00101	.20
ATOM	2214	С	CYS				16.721	13.542	40.335	1.00 20	. 87
ATOM	2215	0	CYS				17.899	13.219	40.202	1.00 24	. 99
ATOM	2216	N	GLN				15.718	12.795	39.862	1.00 26	. 29
MOTA	2217	CA	GLN				16.062	11.613	39.055	1.00 22	
ATOM	2218	СВ	GLN				14.785	10.827	38.720	1.00 22	
MOTA	2219	CG	GLN				14.242	10.156	39.972	1.00 21	
ATOM	2220	CD	GLN				12.831	9.628	39.838	1.00 24	
ATOM	2221		GLN				12.134	9.855	38.848	1.00 23	
ATOM	2222		GLN				12.439	8.904	40.884	1.00 18.	
ATOM	2223	С	GLN				16.816	12.029	37.805	1.00 18.	
ATOM	2224	0	GLN				17.797	11.408	37.389	1.00 21.	
ATOM	2225	N	TYR				16.355	13.121	37.196	1.00 20.	
ATOM	2226	CA	TYR				17.034	13.649	36.006	1.00 17.	
ATOM	2227	CB	TYR				16.239	14.824	35.456	1.00 20.	
ATOM	2228	CG	TYR				16.600	15.299	34.066	1.00 22.	
ATOM	2229		TYR				16.441	14.487	32.949	1.00 22.	
ATOM	2230		TYR				16.767	14.926	31.680	1.00 27.	
MOTA	2231	CZ	TYR				17.259	16.212	31.527	1.00 31.	
ATOM	2232	OH	TYR				17.590	16.669	30.275	1.00 31.	
MOTA	2233		TYR				17.426	17.043	32.614	1.00 24.	60
MOTA	2234		TYR				17.093	16.581	33.871	1.00 24.	
ATOM	2235	С	TYR	A	294	-	18.457	14.063	36.353	1.00 26.	00

ATOM	2236	0	TYR	A	294	19.401	13.726	35.643	1.00 24.45
MOTA	2237	N	VAL	Α	295	18.626	14.790	37.467	1.00 27.38
ATOM	2238	CA	VAL	Α	295	19.981	15.130	37.908	1.00 26.38
ATOM	2239	СВ			295	19.989	15.931	39.225	1.00 21.43
MOTA	2240	CG1			295	21.402	15.984	39.784	1.00 28.13
		CG2			295	19.428	17.326	39.000	1.00 34.94
ATOM	2241								1.00 34.34
MOTA	2242	С			295	20.839	13.888	38.136	
MOTA	2243	0			295	21.991	13.837	37.730	1.00 23.60
ATOM	2244	N			296	20.296	12.876	38.792	1.00 22.55
MOTA	2245	CA	TYR	Α	296	20.976	11.609	39.039	1.00 27.13
MOTA	2246	CB	TYR	A	296	20.011	10.665	39.773	1.00 19.15
ATOM	2247	CG	TYR	Α	296	20.587	9.329	40.167	1.00 22.85
MOTA	2248	CD1	TYR	Α	296	21.493	9.191	41.211	1.00 21.56
MOTA	2249	CE1			296	22.022	7.967	41.576	1.00 20.08
ATOM	2250	CZ			296	21.628	6.841	40.876	1.00 22.87
ATOM	2251	OH			296	22.136	5.601	41.213	1.00 22.11
ATOM	2252	CE2			296	20.734	6.954	39.842	1.00 23.68
		CD2			296	20.734	8.179	39.483	1.00 25.13
ATOM	2253						10.947	37.771	1.00 23.13
ATOM	2254	C			296	21.495			
ATOM	2255	0			296	22.607	10.406	37.752	1.00 24.52
ATOM	2256	N			297	20.734	10.960	36.675	1.00 24.50
ATOM	2257	CA			297	21.265	10.390	35.437	1.00 19.36
ATOM	2258	CB			297	20.278	10.510	34.275	1.00 22.49
MOTA	2259	CG			297	18.987	9.697	34.406	1.00 21.19
MOTA	2260	CD1	LEU	Α	297	17.931	10.172	33.424	1.00 18.99
MOTA	2261	CD2	LEU	Α	297	19.330	8.224	34.235	1.00 22.58
MOTA	2262	С	LEU	Α	297	22.563	11.092	35.039	1.00 22.83
MOTA	2263	0	LEU	Α	297	23.545	10.455	34.672	1.00 26.28
MOTA	2264	N	HIS	A	298	22.539	12.432	35.118	1.00 27.23
ATOM	2265	CA	HIS			23.760	13.165	34.773	1.00 26.75
MOTA	2266	CB	HIS			23.526	14.672	34.793	1.00 25.81
ATOM	2267	CG	HIS			22.724	15.186	33.644	1.00 24.47
ATOM	2268		HIS			21.358	15.061	33.562	1.00 26.77
MOTA	2269	CE1				20.938	15.617	32.434	1.00 31.41
ATOM	2270		HIS			21.982	16.099	31.780	1.00 22.95
ATOM	2270		HIS			23.105	15.841	32.519	1.00 26.28
		C	HIS			24.877	12.814	35.749	1.00 24.86
MOTA	2272		HIS			26.009	12.514	35.342	1.00 32.20
ATOM	2273	0					12.775	37.044	1.00 32.20
MOTA	2274	N	GLN			24.555			
MOTA	2275	CA	GLN				12.405	38.005	1.00 27.30
MOTA	2276	CB	GLN			25.077	12.420	39.440	1.00 29.89
MOTA	2277	CG			299	24.644	13.789	39.945	1.00 29.83
MOTA	2278	CD			299	24.030	13.768	41.327	1.00 39.67
MOTA	2279	OE1	GLN	Α	299	23.233	12.894	41.678	1.00 50.54
MOTA	2280	NE2	GLN	А	299	24.382	14.755	42.148	1.00 42.66
ATOM	2281	С	GLN	Α	299	26.174	11.033	37.665	1.00 30.62
ATOM	2282	0	GLN	Α	299	27.380	10.808	37.781	1.00 24.65
ATOM	2283	N	CYS	Α	300	25.311	10.110	37.244	1.00 32.98
ATOM	2284	CA	CYS			25.750	8.773	36.865	1.00 31.19
ATOM	2285	CB	CYS			24.539	7.921	36.453	1.00 27.79
ATOM	2286	SG	CYS			23.647	7.209	37.864	1.00 24.58
ATOM	2287	C	CYS			26.765	8.828	35.727	1.00 34.76
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ATOM	2288	0	CYS			27.822	8.196	35.729		23.29
MOTA	2289	N	VAL	Α	301	26.420	9.615	34.708	1.00	32.86
ATOM	2290	CA	VAL	Α	301	27.302	9.758	33.561	1.00	33.82
ATOM	2291	СВ	VAL			26.630	10.582	32.444	1.00	31.77
MOTA	2292		VAL			27.618	10.894	31.330		32.91
			VAL			25.418	9.821	31.923		36.31
ATOM	2293									
ATOM	2294	С	VAL			28.618	10.429	33.941		30.73
MOTA	2295	0	VAL			29.692	10.022	33.501		35.82
ATOM	2296	N	ARG			28.541	11.468	34.763		31.17
ATOM	2297	CA	ARG	Α	302	29.790	12.172	35.086	1.00	30.26
MOTA	2298	CB	ARG	Α	302	29.484	13.422	35.894	1.00	32.62
ATOM	2299	CG	ARG	Α	302	30.689	14.073	36.564	1.00	30.76
ATOM	2300	CD			302	30.203	14.793	37.826	1.00	35.56
ATOM	2301	NE	ARG			29.679	13.851	38.796		36.12
ATOM	2302	CZ	ARG			28.999	14.106	39.898		43.20
						28.702	15.351	40.255		58.84
ATOM	2303	NH1						40.233		37.42
ATOM	2304		ARG			28.601	13.098			
ATOM	2305	С	ARG			30.720	11.213	35.811		38.00
ATOM	2306	0	ARG			31.934	11.187	35.602		46.79
ATOM	2307	N	ASP	A	303	30.137	10.376	36.668		34.78
ATOM	2308	CA	ASP	Α	303	30.980	9.431	37.404	1.00	31.64
ATOM	2309	CB	ASP	Α	303	30.186	8.844	38.579	1.00	32.29
ATOM	2310	CG	ASP	Α	303	29.766	9.934	39.553	1.00	41.64
ATOM	2311		ASP	Α	303	30.143	11.104	39.315	1.00	48.79
MOTA	2312		ASP			29.060	9.645	40.542	1.00	39.40
ATOM	2313	C	ASP			31.529	8.359	36.484		33.95
ATOM	2314	Ô	ASP			32.681	7.925	36.612		41.56
			VAL			30.755	7.875	35.510		31.21
ATOM	2315	N								39.08
ATOM	2316	CA	VAL			31.349	6.840	34.658		
ATOM	2317	СВ	VAL			30.371	6.167	33.685		44.47
MOTA	2318		VAL			31.089	5.084	32.889		27.60
ATOM	2319		VAL			29.173	5.541	34.381		27.78
ATOM	2320	С	VAL			32.485	7.483	33.859		39.60
MOTA	2321	0	VAL	Α	304	33.515	6.865	33.615	1.00	37.42
MOTA	2322	N	LEU	Α	305	32.257	8.736	33.484	1.00	36.24
ATOM	2323	CA	LEU	Α	305	33.241	9.491	32.714	1.00	42.98
MOTA	2324	CB	LEU	Α	305	32.620	10.746	32.093	1.00	39.34
ATOM	2325	CG	LEU			31.658	10.512	30.929	1.00	34.01
ATOM	2326		LEU			31.183	11.828	30.327	1.00	28.76
MOTA	2327		LEU				9.625			34.10
ATOM	2328	C	LEU			34.425	9.863	33.598		42.82
	2329	0	LEU			35.578	9.705	33.198		54.32
ATOM							10.353	34.805		41.87
ATOM	2330	N	ARG			34.150				
ATOM	2331	CA	ARG			35.253	10.741	35.681		51.42
ATOM	2332	CB	ARG			34.725	11.361	36.979		50.76
ATOM	2333	CG	ARG			34.163	12.761	36.809		57.18
ATOM	2334	CD	ARG			33.547	13.297	38.093		63.89
MOTA	2335	NE	ARG	Α	306	33.871	14.701	38.302	1.00	65.68
ATOM	2336	CZ	ARG	A	306	33.491	15.494	39.287	1.00	66.42
ATOM	2337	NH1	ARG	Α	306	32.710	15.080	40.276	1.00	39.94
ATOM	2338		ARG			33.906	16.759	39.290	1.00	95.50
ATOM	2339	С	ARG			36.161	9.553	35.988	1.00	65.39

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ATOM	2340	0	ARG	Α	306	37.371	9.710	36.183	1.00 79.48
ATOM	2341	N	ALA	Α	307	35.593	8.350	36.039	1.00 63.13
MOTA	2342	CA	ALA			36.358	7.181	36.463	1.00 59.88
ATOM	2343	CB			307	35.424	6.123	37.032	1.00 62.57
ATOM	2344	С			307	37.190	6.603	35.327	1.00 63.48
ATOM	2345	0			307	38.185	5.922	35.576	1.00 71.07
ATOM	2346	N			308	36.778	6.878	34.095	1.00 66.80
ATOM	2347	CA			308	37.460	6.357	32.916	1.00 63.53
ATOM	2348	CB	ARG			36.431	5.843	31.910	1.00 64.58
ATOM	2349	CG			308	35.909	6.905	30.956	1.00 73.99
ATOM	2350	CD	ARG		308	34.390	6.946	30.959	1.00 81.85
ATOM	2351	NE	ARG ARG			33.814	5.939	30.070	1.00 85.42
ATOM	2352 2353	CZ NH1				33.523	6.167	28.794	1.00 82.34
ATOM ATOM	2353	NH2				33.757 33.001	7.365	28.275	1.00 72.00
ATOM	2355	C			308	38.356	5.198 7.408	28.053 32.272	1.00 74.84 1.00 66.32
ATOM	2356	0			308	39.461	7.117	31.813	1.00 55.04
ATOM	2357	N	THR		20	44.023	9.553	52.894	1.00 33.04
ATOM	2358	CA	THR		20	43.083	8.735	53.658	1.00 44.19
ATOM	2359	CB	THR		20	43.790	7.980	54.795	1.00 52.04
ATOM	2360	OG1			20	45.173	7.808	54.450	1.00 33.31
ATOM	2361	CG2			20	43.208	6.590	54.985	1.00 67.07
ATOM	2362	С	THR		20	41.947	9.580	54.229	1.00 46.00
ATOM	2363	0	THR		20	42.162	10.580	54.911	1.00 47.42
ATOM	2364	N	SER		21	40.725	9.158	53.926	1.00 41.46
ATOM	2365	CA	SER		21	39.496	9.819	54.320	1.00 39.05
ATOM	2366	СВ	SER	В	21	39.040	10.796	53.232	1.00 49.38
ATOM	2367	OG	SER	В	21	37.654	10.651	52.968	1.00 64.42
ATOM	2368	С	SER	В	21	38.381	8.816	54.580	1.00 45.97
ATOM	2369	0	SER	В	21	38.392	7.690	54.078	1.00 58.15
ATOM	2370	N	CYS	В	22	37.384	9.218	55.363	1.00 49.85
MOTA	2371	CA	CYS	В	22	36.237	8.334	55.572	1.00 50.77
ATOM	2372	CB	CYS		22	36.423	7.465	56.816	1.00 55.65
ATOM	2373	SG	CYS		22	35.067	6.307	57.123	1.00 88.47
ATOM	2374	С	CYS		22	34.951	9.143	55.677	1.00 45.29
ATOM	2375	0	CYS		22	34.411	9.331	56.767	1.00 58.34
ATOM	2376	N		В	23	34.467	9.632	54.543	1.00 39.55
ATOM	2377	CA		В	23	33.212	10.389	54.528	1.00 41.51
ATOM	2378	CB	PRO		23	33.049	10.758	53.050	1.00 40.09
MOTA	2379	CG	PRO		23	34.441	10.713	52.503	1.00 41.78
ATOM	2380	CD	PRO		23	35.072	9.531	53.203	1.00 44.99
ATOM	2381	C	PRO		23	32.027	9.552	55.000	1.00 44.21
ATOM	2382	0	PRO		23	31.963	8.335	54.814	1.00 52.40
ATOM	2383 2384	N	ILE		24	31.065	10.223	55.624	1.00 44.34
ATOM ATOM	2385	CA CB	ILE ILE		24 24	29.827	9.587	56.044	1.00 48.20
ATOM	2386	CG1	ILE		24	29.721 31.043	9.319 9.095	57.555	1.00 45.03
ATOM	2387	CD1	ILE		24	31.305	10.113	58.282 59.373	1.00 44.77 1.00 61.25
ATOM	2388		ILE		24	28.778	8.151	57.813	1.00 56.04
ATOM	2389	C	ILE		24	28.646	10.483	55.663	1.00 38.04
ATOM	2390	0	ILE		24	28.590	11.626	56.128	1.00 46.34
ATOM	2391	N	LYS		25	27.747	9.948	54.848	1.00 30.30
			~	-			5.510	21.010	T.00 11.6/

ATOM	2392	CA	LYS	В	25	26.540	10.698	54.492	1.00	52.98
ATOM	2393	CB	LYS	В	25	25.594	9.846	53.655	1.00	62.63
ATOM	2394	CG	LYS	В	25	25.908	9.737	52.176	1.00	62.43
ATOM	2395	CD	LYS	В	25	27.378	9.486	51.908	1.00	63.27
MOTA	2396	CE		В	25	27.772	8.047	52.197	1.00	62.30
ATOM	2397	ΝZ		В	25	29.243	7.842	52.072	1.00	60.67
ATOM	2398	C		В	25	25.859	11.181	55.772	1.00	48.94
ATOM	2399	0	LYS		25	25.679	10.387	56.698	1.00	46.18
ATOM	2400	N	ILE		26	25.523	12.466	55.828		51.90
ATOM	2401	CA	ILE		26	24.977	13.025	57.066		54.24
ATOM	2402	CB		В	26	24.660	14.523	56.951		63.05
ATOM	2403	CG1	ILE		26	23.589	14.879	55.916		68.15
ATOM	2403	CD1	ILE		26	22.545	15.837	56.460	1.00	71.59
	2404	CG2	ILE		26	25.929	15.325	56.685		65.12
ATOM	2405	CGZ	ILE		26	23.733	12.241	57.465		51.02
ATOM	2400	0	ILE		26	23.733	11.830	58.614		47.65
ATOM			ASN		27	22.870	12.003	56.483		51.44
ATOM	2408	N			27	21.666	11.219	56.721		61.45
ATOM	2409	CA	ASN ASN		27	20.899	10.993	55.415		75.84
ATOM	2410	CB			27	20.870	12.209	54.511		85.31
ATOM	2411	CG	ASN		27	21.910	12.672	54.041		99.97
ATOM	2412		ASN		27	19.672	12.729	54.262		93.77
ATOM	2413		ASN		27	21.985	9.885	57.379	1.00	
ATOM	2414	С	ASN				9.336	58.089		88.25
ATOM	2415	0	ASN		27	21.135 23.176	9.311	57.195		48.45
ATOM	2416	N	GLN		28		8.047	57.193		52.09
MOTA	2417	CA	GLN		28	23.415		56.990		57.63
ATOM	2418	CB	GLN		28	24.024	6.974	55.694	1.00	63.93
ATOM	2419	CG	GLN		28	24.654	7.430	54.490		71.84
ATOM	2420	CD	GLN		28	24.174	6.638			79.09
ATOM	2421	OE1			28	24.797	5.657	54.074		63.99
ATOM	2422	NE2			28	23.051	7.067	53.920		48.62
ATOM	2423	С	GLN		28	24.321	8.227	59.103		48.29
MOTA	2424	0	GLN		28	24.763	7.214	59.654		55.12
ATOM	2425	N	PHE		29	24.617	9.452	59.529		55.39
ATOM	2426	CA	PHE		29	25.569	9.586	60.626		
ATOM	2427	CB	PHE		29	25.852	11.055	61.000		55.09
ATOM	2428	CG	PHE		29	27.126	11.084	61.852		51.70 54.80
MOTA	2429	CD1			29	28.363	11.038	61.233		57.30
ATOM	2430	CE1			29	29.521	11.046	61.984		
MOTA	2431	CZ	PHE		29	29.458	11.100	63.365		54.61
ATOM	2432		PHE		29	28.227	11.150	63.988		44.82
ATOM	2433		PHE		29	27.071	11.145	63.230		41.09
ATOM	2434	С	PHE		29	25.123	8.850	61.890		57.59
ATOM	2435	0	PHE		29	25.964	8.281	62.594		47.92
MOTA	2436	N	GLU		30	23.828	8.867	62.167		63.38
ATOM	2437	CA	GLU		30	23.280	8.207	63.344		62.77
ATOM	2438	CB	GLU		30	21.748	8.203	63.264		73.02
ATOM	2439	CG	GLU		30	21.122	9.397	63.971		77.36
ATOM	2440	CD	GLU		30	21.462	9.438	65.448		78.77
ATOM	2441		GLU		30	20.929	10.329	66.141		79.79
ATOM	2442	OE2	GLU		30	22.251	8.592	65.918		84.00
MOTA	2443	С	GLU	В	30	23.793	6.783	63.519	1.00	54.87

ATOM	2444	0	GLU	В	30	24.3	369	6.475	64.563	1.00	35.09
MOTA	2445	N	GLY	В	31	23.5	95	5.938	62.517	1.00	59.10
ATOM	2446	CA	GLY		31	23.9	94	4.545	62.525	1.00	56.95
ATOM	2447	С	GLY		31	25.4		4.331	62.443		59.39
MOTA	2448	0	GLY		31	26.0		3.379	63.037		
ATOM	2449	N	HIS		32	26.1		5.215	61.710		
ATOM	2450	CA	HIS		32	27.6		5.216	61.649		51.48
ATOM	2451	CB	HIS		32	28.1		6.437	60.888	1.00	
ATOM	2452	CG	HIS		32	29.5		6.534	60.618	1.00	
ATOM	2453	ND1			32	30.4		7.321	61.368	1.00	
ATOM	2454	CE1			32	31.6		7.223	60.917	1.00	
ATOM	2455		HIS		32	31.6		6.399	59.884	1.00	
ATOM	2456	CD2	HIS		32	30.3		5.959	59.681	1.00	
ATOM ATOM	2457 2458	0	HIS		32 32	28.1		5.164	63.071	1.00	
ATOM	2459	N	HIS PHE		33	28.8		4.198	63.493		43.02
ATOM	2459	CA	PHE		33	27.8 28.3		6.215	63.836	1.00	
ATOM	2460	CB	PHE		33	27.8		6.300 7.596	65.205	1.00	
ATOM	2462	CG	PHE		33	28.6		8.008	65.853 67.083		58.42 52.11
ATOM	2463	CD1	PHE		33	30.0		7.634	67.229		40.98
ATOM	2464	CE1			33	30.7		8.001	68.354		46.43
ATOM	2465	CZ	PHE		33	30.1		8.753	69.348		46.14
ATOM	2466	CE2			33	28.8		9.135	69.208		46.50
ATOM	2467	CD2			33	28.1		8.767	68.079	1.00	
ATOM	2468	С	PHE		33	28.0		5.075	66.032	1.00	
ATOM	2469	0	PHE		33	28.8		4.473	66.675	1.00	
ATOM	2470	N		В	34	26.7		4.681	66.032	1.00	
ATOM	2471	CA	MET	В	34	26.3	16	3.484	66.751	1.00	75.38
MOTA	2472	CB	MET	В	34	24.8	41	3.195	66.464	1.00	80.09
ATOM	2473	CG	MET	В	34	23.8	86	3.798	67.480	1.00	84.30
MOTA	2474	SD	MET	В	34	22.3	39	4.405	66.779	1.00	87.53
ATOM	2475	CE	MET	В	34	21.7	67	2.952	65.905	1.00	52.16
ATOM	2476	С	MET	В	34	27.18	88	2.284	66.383	1.00	75.48
ATOM	2477	0		В	34	27.58	88	1.495	67.238	1.00	66.38
ATOM	2478	N	LYS		35	27.50		2.192	65.096	1.00	75.62
ATOM	2479	CA	LYS		35	28.43		1.192	64.561	1.00	70.36
MOTA	2480	CB	LYS		35	28.6		1.437	63.066	1.00	73.89
ATOM	2481	CG		В	35	27.46		1.150	62.169	1.00	77.64
ATOM	2482	CD		В	35	27.86		0.247	61.008	1.00	79.39
ATOM	2483	CE	LYS		35	27.6		-1.218	61.371		81.96
ATOM	2484	NZ	LYS		35	28.54		-1.629	62.510		89.41
ATOM	2485	C	LYS		35	29.76		1.199	65.265		64.44
ATOM	2486	0	LYS		35	30.18		0.235	65.901		37.91
ATOM	2487	N C7	LEU		36	30.48		2.316	65.147		63.16
ATOM ATOM	2488 2489	CA	LEU		36	31.84		2.334	65.693		63.09
ATOM	2490	CB CG	LEU LEU		36 36	32.57		3.624	65.324	1.00	65.24
ATOM	2491		LEU		36	32.84		3.848	63.836		68.40
ATOM	2491		LEU		36	31.93		4.933 4.199	63.279 63.599		66.79
ATOM	2493	CDZ	LEU		36	31.82		2.156	67.209		81.44 56.96
ATOM	2494	0	LEU		36	32.83		1.728	67.774		56.27
ATOM	2495	N	GLN		37	30.69		2.487	67.805		53.43
			,	-	<u> </u>	50.05	-	2.401	57.003	T.00	JJ.4J

ATOM	2496	CA	GLN	В	37	30.459	2.414	69.236	1.00 69.43
MOTA	2497	CB	GLN	В	37	29.331	3.386	69.619	1.00 68.76
ATOM	2498	CG	GLN		37	29.831	4.826	69.657	1.00 75.93
ATOM	2499	CD	GLN		37	28.722	5.824	69.917	1.00 77.13
								69.020	1.00 87.89
MOTA	2500	OE1			37	27.936	6.137		
ATOM	2501	NE2	GLN		37	28.671	6.319	71.147	1.00 60.96
ATOM	2502	С	GLN	В	37	30.117	1.006	69.706	1.00 79.22
MOTA	2503	0	GLN	В	37	30.388	0.635	70.850	1.00 73.11
ATOM	2504	N	ALA	В	38	29.518	0.228	68.808	1.00 83.91
MOTA	2505	CA	ALA	В	38	29.154	-1.148	69.119	1.00 85.90
MOTA	2506	CB	ALA		38	28.533	-1.809	67.896	1.00 73.44
ATOM	2507	C	ALA		38	30.354	-1.952	69.612	1.00 87.80
ATOM	2508	Ö	ALA		38	31.504	-1.707	69.247	1.00 77.48
	2509		ASP		39	30.073	-2.936	70.462	1.00 88.62
ATOM		N							1.00 85.89
ATOM	2510	CA		В	39	31.113	-3.821	70.969	
ATOM	2511	CB	ASP		39	31.626	-4.719	69.837	1.00 87.42
MOTA	2512	CG	ASP		39	30.689	-5.885	69.586	1.00 90.49
ATOM	2513	OD1	ASP	В	39	30.455	-6.223	68.408	1.00 97.09
ATOM	2514	OD2	ASP	В	39	30.188	-6.455	70.579	1.00 93.16
ATOM	2515	С	ASP	В	39	32.267	-3.044	71.587	1.00 82.50
ATOM	2516	0	ASP	В	39	33.429	-3.298	71.271	1.00 76.36
ATOM	2517	N	SER	В	40	31.940	-2.102	72.465	1.00 82.73
ATOM	2518	CA	SER		40	32.957	-1.326	73.165	1.00 79.40
ATOM	2519	СВ	SER		40	33.839	-2.246	74.009	1.00 75.80
ATOM	2520	OG	SER		40	34.651	-3.081	73.205	1.00 54.94
	2521	C	SER		40	33.807	-0.518	72.180	1.00 76.46
ATOM									1.00 64.01
ATOM	2522	0	SER		40	35.024	-0.714	72.131	
MOTA	2523	N	ASN		41	33.121	0.352	71.454	1.00 73.19
ATOM	2524	CA	ASN		41	33.647	1.191	70.394	1.00 71.55
ATOM	2525	CB	ASN		41	34.253	2.492	70.912	1.00 67.00
MOTA	2526	CG	ASN		41	33.360	3.337	71.784	1.00 65.98
ATOM	2527	OD1	ASN	В	41	32.134	3.225	71.788	1.00 77.13
ATOM	2528	ND2	ASN	В	41	33.976	4.224	72.563	1.00 62.14
ATOM	2529	С	ASN	В	41	34.710	0.429	69.603	1.00 74.40
ATOM	2530	0	ASN	В	41	35.806	0.941	69.376	1.00 81.24
ATOM	2531	N	TYR		42	34.393	-0.804	69.212	1.00 74.86
MOTA	2532	CA	TYR		42	35.405	-1.610	68.534	1.00 74.76
ATOM	2533	СВ	TYR		42	34.880	-3.002	68.168	1.00 75.15
ATOM	2534	CG	TYR		42	35.907	-3.795	67.386	1.00 75.66
MOTA	2535	CD1	TYR		42	37.017	-4.332	68.023	1.00 78.98
	2536		TYR		42	37.961	-5.054	67.316	1.00 81.79
ATOM						37.804	-5.243	65.959	1.00 81.73
ATOM	2537	CZ	TYR		42				1.00 80.99
ATOM	2538	OH	TYR		42	38.747	-5.962	65.258	
ATOM	2539		TYR		42	36.713	-4.717	65.304	1.00 76.53
ATOM	2540		TYR		42	35.775	-3.996	66.019	1.00 75.88
ATOM	2541	С	TYR		42	35.914	-0.906	67.277	1.00 72.94
MOTA	2542	0	TYR	В	42	37.119	-0.676	67.155	1.00 61.94
MOTA	2543	N	LEU	В	43	35.004	-0.570	66.366	1.00 68.88
ATOM	2544	CA	LEU	В	43	35.396	0.092	65.128	1.00 70.56
ATOM	2545	СВ	LEU		43	34.188	0.493	64.286	1.00 72.58
ATOM	2546	CG	LEU		43	33.017	-0.487	64.224	1.00 76.87
ATOM	2547		LEU		43	31.993	-0.053	63.184	1.00 62.51
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ATOM	2548	CD2	LEU	В	43	33.520	-1.895	63.937	1.00	77.97
ATOM	2549	С	LEU	В	43	36.248	1.336	65.417	1.00	67.14
ATOM	2550	0	LEU	В	43	37.449	1.316	65.140	1.00	50.41
ATOM	2551	N		В	44	35.580	2.345	65.951	1.00	66.03
ATOM	2552	CA	LEU	В	44	36.109	3.651	66.304	1.00	61.62
ATOM	2553	CB	LEU		44	35.238	4.313	67.375	1.00	62.58
ATOM	2554	CG	LEU		44	35.741	5.640	67.946		58.19
		CD1	LEU		44	34.587	6.622	68.088		55.67
ATOM	2555				44	36.446	5.433	69.276		48.14
ATOM	2556	CD2	_	В			3.568	66.793		59.86
ATOM	2557	C		В	44	37.551			1.00	48.99
ATOM	2558	0	LEU		44	38.446	4.143	66.175		
MOTA	2559	N	SER		45	37.750	2.840	67.887	1.00	
ATOM	2560	CA	SER		45	39.072	2.646	68.456	1.00	71.61
MOTA	2561	CB	SER		45	39.047	1.584	69.560		73.68
ATOM	2562	OG	SER	В	45	40.284	0.883	69.574		76.78
ATOM	2563	С	SER	В	45	40.089	2.224	67.396		71.36
ATOM	2564	0	SER	В	45	41.209	2.728	67.377		52.39
ATOM	2565	N	LYS	В	46	39.662	1.295	66.549	1.00	78.57
MOTA	2566	CA	LYS	В	46	40.501	0.742	65.494	1.00	84.31
ATOM	2567	CB	LYS	В	46	39.848	-0.499	64.885	1.00	89.10
ATOM	2568	CG	LYS	В	46	40.772	-1.693	64.707	1.00	85.70
ATOM	2569	CD	LYS	В	46	40.699	-2.236	63.288	1.00	83.59
ATOM	2570	CE	LYS	В	46	41.199	-3.666	63.201	1.00	84.74
ATOM	2571	NZ	LYS	В	46	40.192	-4.641	63.706	1.00	92.84
ATOM	2572	С	LYS	В	46	40.773	1.795	64.420	1.00	81.13
ATOM	2573	0	LYS		46	41.920	1.966	64.005	1.00	84.85
ATOM	2574	N	GLU		47	39.718	2.485	64.012		74.35
MOTA	2575	CA	GLU		47	39.755	3.570	63.041		70.19
ATOM	2576	CB	GLU		47	38.323	3.963	62.661		66.52
ATOM	2577	CG	GLU		47	38.025	5.446	62.668		62.55
ATOM	2578	CD	GLU		47	36.885	5.861	61.763		59.88
ATOM	2579	OE1	GLU		47	36.350	5.017	61.015		48.61
ATOM	2580	OE2	GLU		47	36.514	7.057	61.794		47.49
ATOM	2581	C	GLU		47	40.536	4.777	63.555		65.98
	2582	0	GLU		47	40.806	5.729	62.818	1.00	
ATOM					48	40.800	4.759	64.822		59.02
ATOM	2583	N	TYR				5.813	65.412	1.00	54.32
ATOM	2584	CA	TYR		48	41.740		66.766	1.00	47.04
ATOM	2585	CB	TYR		48	41.164	6.221	67.448		43.40
ATOM	2586	CG	TYR		48	41.966	7.305			
MOTA	2587		TYR		48	41.837	8.629	67.048		39.64
ATOM	2588	CE1	TYR		48	42.565	9.622	67.667		35.48
ATOM	2589	CZ	TYR		48	43.426	9.313	68.688		33.02
MOTA	2590	ОН	TYR		48	44.149	10.314	69.302		49.28
MOTA	2591	CE2	TYR		48	43.570	8.007	69.103		43.77
MOTA	2592	CD2			48	42.842	7.011	68.481		38.80
MOTA	2593	С	TYR		48	43.182	5.374	65.585		59.37
MOTA	2594	0	TYR	В	48	44.124	6.169	65.563		53.93
MOTA	2595	N	GLU		49	43.427	4.067	65.759		56.83
ATOM	2596	CA	GLU	В	49	44.857	3.719	65.788		52.72
ATOM	2597	СВ	GLU	В	49	45.118	2.439	66.568		61.99
ATOM	2598	CG	GLU	В	49	46.098	2.586	67.723		66.59
MOTA	2599	CD	GLU	В	49	45.724	3.661	68.723	1.00	68.99

ATOM	2600		GLU		49	44.737	3.486	69.468	1.00 71.09
MOTA	2601	OE2	GLU	В	49	46.424	4.699	68.778	1.00 64.67
ATOM	2602	С	GLU	В	49	45.353	3.635	64.349	1.00 43.12
ATOM	2603	0	GLU	В	49	46.539	3.492	64.069	1.00 46.58
MOTA	2604	N	GLU	В	50	44.424	3.733	63.404	1.00 35.51
ATOM	2605	CA	GLU		50	44.790	3.731	61.992	1.00 48.92
ATOM	2606	CB	GLU		50	43.546	3.509	61.132	1.00 55.98
ATOM	2607	CG	GLU		50	43.820	2.894	59.769	1.00 62.45
		CD	GLU		50	42.672	3.111	58.802	1.00 72.64
ATOM	2608					42.932	3.465	57.632	1.00 72.04
ATOM	2609	OE1			50			59.214	
ATOM	2610		GLU		50	41.505	2.932		1.00 90.89
ATOM	2611	С	GLU		50	45.484	5.036	61.609	1.00 51.81
MOTA	2612	0	GLU		50	46.447	5.031	60.840	1.00 60.14
MOTA	2613	N	LEU		51	44.993	6.142	62.157	1.00 45.17
MOTA	2614	CA	LEU		51	45.544	7.474	61.921	1.00 36.37
ATOM	2615	CB	LEU	В	51	44.599	8.527	62.511	1.00 31.85
MOTA	2616	CG	LEU	В	51	43.381	8.867	61.656	1.00 28.95
ATOM	2617	CD1	LEU	В	51	42.269	9.488	62.490	1.00 29.93
ATOM	2618	CD2	LEU	В	51	43.770	9.789	60.507	1.00 38.39
ATOM	2619	С	LEU	В	51	46.931	7.623	62.529	1.00 40.25
ATOM	2620	0	LEU		51	47.666	8.567	62.254	1.00 43.39
ATOM	2621	N	LYS		52	47.288	6.661	63.367	1.00 39.11
ATOM	2622	CA	LYS		52	48.486	6.628	64.172	1.00 41.30
ATOM	2623	СВ	LYS		52	48.607	5.228	64.795	1.00 38.29
MOTA	2624	CG	LYS		52	49.077	5.211	66.234	1.00 41.48
ATOM	2625	CD		В	52	49.745	3.871	66.543	1.00 42.51
ATOM	2626	CE		В	52	49.996	3.752	68.036	1.00 44.45
		NZ			52	48.720	3.710	68.803	1.00 54.34
ATOM	2627		LYS		52	49.776	6.939	63.433	1.00 34.34
ATOM	2628	C	LYS						
ATOM	2629	0	LYS	В	52	50.637	7.651	63.963	
MOTA	2630	N		В	53	49.981	6.421	62.225	1.00 35.92
ATOM	2631	CA	ASP		53	51.272	6.646	61.580	1.00 36.34
ATOM	2632	CB	ASP		53	51.714	5.388	60.823	1.00 46.86
MOTA	2633	CG	ASP		53	51.520	4.136	61.665	1.00 60.28
MOTA	2634		ASP		53	50.750	3.258	61.221	1.00 74.44
ATOM	2635	OD2	ASP	В	53	52.132	4.051	62.753	1.00 57.58
MOTA	2636	С	ASP		53	51.267	7.819	60.606	1.00 25.54
MOTA	2637	0	ASP	В	53	52.315	8.092	60.019	1.00 31.31
ATOM	2638	N	VAL	В	54	50.126	8.459	60.444	1.00 25.37
ATOM	2639	CA	VAL	В	54	50.004	9.549	59.477	1.00 28.87
ATOM	2640	CB	VAL	В	54	48.603	10.168	59.522	1.00 32.29
ATOM	2641	CG1	VAL		54	48.397	11.175	58.399	1.00 27.43
ATOM	2642		VAL		54	47.541	9.073	59.433	1.00 35.45
ATOM	2643	С	VAL		54	51.089	10.587	59.747	1.00 35.40
ATOM	2644	Ö	VAL		54	51.266	11.007	60.887	1.00 28.36
ATOM	2645	N	GLY		55	51.818	10.950	58.704	1.00 30.35
ATOM	2646	CA	GLY		55	52.888	11.904	58.678	1.00 26.77
ATOM	2647	CA	GLY		55	54.129	11.566	59.459	1.00 31.10
					55	54.129	12.440	59.618	1.00 31.10
ATOM	2648	0	GLY				10.344	59.959	1.00 28.03
ATOM	2649	N	ARG		56 56	54.281			1.00 31.74
ATOM	2650	CA	ARG		56	55.404	9.997	60.827	
ATOM	2651	CB	ARG	В	56	55.077	8.697	61.573	1.00 46.87

ATOM	2652	CG	ARG	В	56	55.107	7.449	60.705	1.00 56.15
MOTA	2653	CD	ARG	В	56	55.129	6.169	61.530	1.00 51.35
ATOM	2654	NE	ARG	В	56	56.387	5.999	62.253	1.00 46.32
ATOM	2655	CZ	ARG	В	56	56.583	5.142	63.245	1.00 43.24
MOTA	2656	NH1			56	55.595	4.357	63.646	1.00 38.49
ATOM	2657	NH2	ARG		56	57.771	5.074	63.831	1.00 37.94
ATOM	2658	C	ARG		56	56.729	9.869	60.089	1.00 44.81
	2659	0	ARG		56	57.782	9.586	60.675	1.00 33.22
ATOM			ASN		57	56.702	10.084	58.779	1.00 40.44
ATOM	2660	N G P					10.004	57.931	1.00 33.30
ATOM	2661	CA	ASN		57	57.876			
MOTA	2662	CB	ASN		57	57.436	9.773	56.482	
ATOM	2663	CG	ASN		57	56.483	10.848	55.987	1.00 53.38
ATOM	2664	OD1			57	56.798	11.576	55.040	1.00 73.52
MOTA	2665	ND2	ASN		57	55.311	10.971	56.602	1.00 38.90
ATOM	2666	С	ASN	В	57	58.691	11.308	57.972	1.00 31.80
ATOM	2667	0	ASN	В	57	59.810	11.344	57.465	1.00 31.72
MOTA	2668	N	GLN	В	58	58.129	12.357	58.569	1.00 28.77
ATOM	2669	CA	GLN	В	58	58.736	13.681	58.549	1.00 24.41
ATOM	2670	СВ	GLN	В	58	57.611	14.729	58.466	1.00 27.17
MOTA	2671	CG	GLN		58	56.688	14.411	57.292	1.00 28.52
ATOM	2672	CD	GLN		58	55.494	15.335	57.233	1.00 31.70
ATOM	2673	OE1			58	55.513	16.340	56.520	1.00 30.23
ATOM	2674	NE2	GLN		58	54.460	14.991	57.992	1.00 28.20
	2675	C	GLN		58	59.621	13.965	59.743	1.00 26.40
ATOM		0	GLN		58	59.307	13.588	60.865	1.00 32.07
ATOM	2676				59	60.750	14.633	59.494	1.00 32.07
ATOM	2677	N	SER						
ATOM	2678	CA	SER		59	61.713	14.878	60.552	1.00 25.17
ATOM	2679	CB	SER		59	63.136	14.784	60.000	1.00 31.63
ATOM	2680	OG	SER		59	63.435	15.925	59.212	1.00 43.09
ATOM	2681	С	SER		59	61.470	16.250	61.193	1.00 29.30
ATOM	2682	0	SER		59	60.674	17.010	60.635	1.00 24.20
ATOM	2683	N	CYS	В	60	62.166	16.479	62.290	1.00 25.59
ATOM	2684	CA	CYS		60	62.116	17.647	63.149	1.00 30.08
MOTA	2685	CB	CYS	В	60	61.390	17.257	64.451	1.00 26.43
ATOM	2686	SG	CYS	В	60	59.647	16.884	64.130	1.00 33.04
ATOM	2687	С	CYS	В	60	63.489	18.201	63.472	1.00 33.64
MOTA	2688	0	CYS	В	60	63.790	18.632	64.592	1.00 25.31
ATOM	2689	N	ASP	В	61	64.361	18.193	62.463	1.00 23.90
ATOM	2690	CA	ASP		61	65.744	18.559	62.696	1.00 19.83
ATOM	2691	СВ	ASP		61	66.538	18.374	61.392	1.00 28.21
ATOM	2692	CG	ASP		61	66.602	16.912	60.974	1.00 37.45
ATOM	2693		ASP		61	66.668	16.033	61.857	1.00 46.92
	2694		ASP		61	66.585	16.633	59.756	1.00 39.28
MOTA		C	ASP			65.931	19.978	63.202	1.00 18.89
ATOM	2695							64.100	1.00 26.23
ATOM	2696	0	ASP		61	66.742	20.234		1.00 20.25
MOTA	2697	N	ILE		62	65.208	20.944	62.642	
ATOM	2698	CA	ILE		62	65.463	22.312	63.098	1.00 16.77
ATOM	2699	СВ	ILE		62	64.737	23.351	62.222	1.00 26.79
MOTA	2700		ILE		62	65.028	23.219	60.729	1.00 30.78
ATOM	2701		ILE		62	66.350	22.561	60.400	1.00 49.88
ATOM	2702	CG2	ILE	В	62	65.029	24.761	62.731	1.00 20.53
MOTA	2703	С	ILE	В	62	65.015	22.503	64.540	1.00 21.81

ATOM	2704	0	ILE	В	62	65.635	23.218	65.328	1.00 26.4	
ATOM	2705	N	ALA	В	63	63.903	21.860	64.890	1.00 22.2	2
ATOM	2706	CA	ALA	В	63	63.421	22.042	66.267	1.00 23.4	
ATOM	2707	CB	ALA	В	63	62.039	21.427	66.404	1.00 13.7	3
ATOM	2708	С	ALA	В	63	64.438	21.456	67.235	1.00 32.7	2
ATOM	2709	0	ALA	В	63	64.621	21.898	68.366	1.00 29.4	9
ATOM	2710	N	LEU	В	64	65.142	20.427	66.770	1.00 26.7	5
MOTA	2711	CA	LEU		64	66.097	19.704	67.590	1.00 24.8	7
ATOM	2712	СВ	LEU		64	66.248	18.272	67.035	1.00 30.0	1
ATOM	2713	CG	LEU		64	65.032	17.393	67.356	1.00 30.1	.3
ATOM	2714		LEU		64	65.068	16.082	66.591	1.00 23.6	1
ATOM	2715		LEU		64	64.982	17.171	68.862	1.00 35.4	4
ATOM	2716	С	LEU		64	67.454	20.371	67.657	1.00 28.9	9
ATOM	2717	0	LEU		64	68.343	19.889	68.367	1.00 41.0	7
ATOM	2718	N	LEU		65	67.636	21.470	66.927	1.00 26.9	7
ATOM	2719	CA	LEU		65	68.925	22.152	66.964	1.00 25.8	3
MOTA	2720	СВ	LEU		65	68.955	23.340	66.001	1.00 29.0	4
ATOM	2721	CG	LEU		65	69.017	23.002	64.513	1.00 33.5	5
ATOM	2722	CD1	LEU		65	68.843	24.264	63.679	1.00 36.1	4
MOTA	2723	CD2	LEU		65	70.327	22.301	64.180	1.00 39.2	5
ATOM	2724	С	LEU		65	69.234	22.654	68.373	1.00 30.4	0
ATOM	2725	0	LEU		65	68.329	23.174	69.021	1.00 31.0	8
MOTA	2726	N	PRO		66	70.470	22.487	68.809	1.00 33.0	9
ATOM	2727	CA	PRO		66	70.935	22.972	70.112	1.00 41.4	9
ATOM	2728	СВ	PRO		66	72.456	23.052	69.889	1.00 43.2	8
ATOM	2729	CG	PRO		66	72.722	21.860	69.020	1.00 38.4	3
ATOM	2730	CD	PRO		66	71.543	21.766	68.091	1.00 35.9	9
ATOM	2731	C	PRO		66	70.390	24.336	70.511	1.00 44.0	
ATOM	2732	Ö	PRO		66	69.735	24.440	71.557	1.00 50.9	
ATOM	2733	N	GLU		67	70.636	25.375	69.722	1.00 35.0	
ATOM	2734	CA	GLU		67	70.246	26.724	70.105	1.00 39.3	5
ATOM	2735	СВ	GLU		67	70.775	27.730	69.068	1.00 38.9	
ATOM	2736	CG	GLU		67	71.059	27.062	67.732	1.00 52.8	7
ATOM	2737	CD	GLU		67	70.712	27.954	66.555	1.00 59.9	9
ATOM	2738	OE1	GLU		67	71.040	29.158	66.611	1.00 78.2	7
ATOM	2739	OE2	GLU		67	70.119	27.433	65.586	1.00 46.1	1
MOTA	2740	C	GLU		67	68.744	26.916	70.246	1.00 38.1	6
ATOM	2741	0	GLU		67	68.327	27.971	70.736	1.00 36.7	5
ATOM	2742	N	ASN		68	67.935	25.950	69.821	1.00 29.9	8
ATOM	2743	CA	ASN		68	66.493	26.069	69.927	1.00 24.3	4
ATOM	2744	CB	ASN		68	65.775	25.589	68.662	1.00 22.4	
ATOM	2745	CG	ASN		68	66.037	26.469	67.459	1.00 23.3	
ATOM	2746		ASN		68	66.205	27.674	67.613	1.00 24.4	0
ATOM	2747		ASN		68	66.092	25.871	66.273	1.00 19.4	
ATOM	2748	C	ASN		68	65.957	25.255	71.100	1.00 28.3	
MOTA	2749	0	ASN		68	64.733	25.161	71.233	1.00 31.8	
ATOM	2750	N	ARG		69	66.821	24.667	71.924	1.00 28.0	
ATOM	2751	CA	ARG		69	66.284	23.759	72.950	1.00 39.1	
ATOM	2752	СВ	ARG		69	67.429	23.142	73.757	1.00 53.8	
ATOM	2753	CG	ARG		69	66.997	22.065	74.739	1.00 67.6	
ATOM	2754	CD	ARG		69	68.095	21.761	75.748	1.00 84.0	
ATOM	2755	NE	ARG		69	67.751	22.204	77.096	1.00 97.1	
										

ATOM	2756	CZ	ARG	В	69	68.057	21.573	78.220	1.00102.06
MOTA	2757	NH1	ARG	В	69	68.733	20.432	78.192	1.00107.87
ATOM	2758	NH2	ARG	В	69	67.686	22.083	79.390	1.00 97.89
ATOM	2759	С	ARG	В	69	65.290	24.445	73.877	1.00 34.20
MOTA	2760	0	ARG		69	64.217	23.908	74.184	1.00 35.41
ATOM	2761	N	GLY		70	65.616	25.659	74.328	1.00 21.83
ATOM	2762	CA	GLY		70	64.720	26.300	75.284	1.00 24.46
MOTA	2763	C	GLY		70	63.455	26.843	74.655	1.00 27.71
	2764	0	GLY		70	62.569	27.348	75.354	1.00 27.30
ATOM	2765	N	LYS		71	63.327	26.770	73.329	1.00 24.69
ATOM							27.353	72.655	1.00 24.03
ATOM	2766	CA	LYS		71	62.166		72.033	1.00 24.49
ATOM	2767	CB	LYS		71	62.587	27.893		
ATOM	2768	CG	LYS		71	63.764	28.870	71.323	1.00 19.45
MOTA	2769	CD	LYS		71	64.184	29.275	69.921	1.00 23.88
ATOM	2770	CE	LYS		71	65.345	30.261	69.951	1.00 28.97
ATOM	2771	NZ	LYS		71	66.081	30.241	68.653	1.00 31.46
MOTA	2772	С	LYS		71	61.010	26.379	72.521	1.00 17.66
ATOM	2773	0	LYS	В	71	59.934	26.726	72.014	1.00 18.84
ATOM	2774	N	ASN	В	72	61.211	25.140	72.984	1.00 15.08
MOTA	2775	CA	ASN	В	72	60.162	24.136	72.990	1.00 14.64
ATOM	2776	CB	ASN	В	72	60.706	22.823	72.400	1.00 18.63
ATOM	2777	CG	ASN	В	72	61.196	23.022	70.977	1.00 21.72
ATOM	2778	OD1	ASN	В	72	60.464	23.572	70.157	1.00 19.84
ATOM	2779	ND2	ASN	В	72	62.409	22.607	70.663	1.00 16.01
ATOM	2780	С	ASN	В	72	59.640	23.891	74.408	1.00 14.08
ATOM	2781	0	ASN		72	60.429	23.667	75.324	1.00 19.73
ATOM	2782	N	ARG		73	58.334	23.951	74.601	1.00 15.40
ATOM	2783	CA	ARG		73	57.720	23.714	75.893	1.00 23.30
ATOM	2784	СВ	ARG		73	56.221	23.993	75.832	1.00 17.66
ATOM	2785	CG	ARG		73	55.551	23.888	77.187	1.00 14.92
ATOM	2786	CD	ARG		73	54.140	24.412	77.108	1.00 14.81
ATOM	2787	NE	ARG		73	54.131	25.882	77.110	1.00 17.20
ATOM	2788	CZ	ARG		73	54.259	26.568	78.241	1.00 22.34
ATOM	2789	NH1	ARG		73	54.403	25.967	79.421	1.00 13.10
	2790	NH2	ARG		73	54.229	27.883	78.127	1.00 19.63
ATOM		C	ARG		73	57.917	22.253	76.319	1.00 13.03
ATOM ATOM	2791		ARG		73	58.144	21.962	77.484	1.00 20.40
	2792	O N			74	57.810	21.302	75.335	1.00 22.53
ATOM	2793	N	TYR		74 74	57.810	19.925	75.513	1.00 22.33
ATOM	2794	CA	TYR						1.00 10.28
MOTA	2795	CB	TYR		74	56.580	19.271	75.323	
ATOM	2796	CG	TYR		74	55.438	19.771	76.176	1.00 19.80
ATOM	2797	CD1	TYR		74	55.345	19.402	77.515	1.00 21.42
MOTA	2798	CE1			74	54.301	19.844	78.304	1.00 21.50
ATOM	2799	CZ	TYR		74	53.324	20.663	77.785	1.00 18.77
MOTA	2800	OH	TYR		74	52.288	21.098	78.587	1.00 23.74
MOTA	2801	CE2	TYR		74	53.379	21.045	76.460	1.00 12.51
ATOM	2802	CD2	TYR	В	74	54.439	20.586	75.681	1.00 13.12
ATOM	2803	С	TYR		74	58.958	19.399	74.521	1.00 22.96
ATOM	2804	0	TYR	В	74	58.901	19.662	73.319	1.00 22.52
ATOM	2805	N	ASN	В	75	59.951	18.640	74.966	1.00 26.45
ATOM	2806	CA	ASN	В	75	61.042	18.268	74.058	1.00 23.82
ATOM	2807	CB	ASN	В	75	62.205	17.736	74.904	1.00 32.86

ATOM	2808	CG	ASN	В	75	62.817	18.860	75.726	1.00	45.64
ATOM	2809	OD1	ASN	В	75	63.098	18.687	76.911	1.00	76.89
ATOM	2810	ND2	ASN	В	75	63.024	20.023	75.113	1.00	56.37
ATOM	2811	С	ASN		75	60.615	17.280	72.990	1.00	17.41
MOTA	2812	0	ASN		75	61.316	17.091	71.993	1.00	28.78
ATOM	2813	N	ASN		76	59.458	16.656	73.144		23.38
ATOM	2814	CA	ASN		76	58.985	15.644	72.207		29.72
					76	58.807	14.310	72.941		30.87
ATOM	2815	CB	ASN			57.687	14.316	73.956		32.40
ATOM	2816	CG	ASN		76 76					
ATOM	2817		ASN		76	57.263	15.350	74.472		30.85
ATOM	2818		ASN		76	57.182	13.123	74.264		26.52
MOTA	2819	С	ASN		76	57.695	16.072	71.529		27.58
ATOM	2820	0	ASN		76	56.906	15.286	71.002		20.64
ATOM	2821	N	ILE	В	77	57.457	17.394	71.539		21.12
ATOM	2822	CA	ILE	В	77	56.355	17.899	70.728		21.78
ATOM	2823	CB	ILE	В	77	55.141	18.381	71.519		18.13
ATOM	2824	CG1	ILE	В	77	54.513	17.334	72.446	1.00	20.08
ATOM	2825	CD1	ILE	В	77	53.650	16.337	71.722	1.00	23.88
MOTA	2826	CG2	ILE	В	77	54.103	18.928	70.552	1.00	17.41
ATOM	2827	С	ILE	В	77	56.919	19.048	69.880	1.00	21.40
ATOM	2828	0	ILE		77	56.994	20.175	70.348	1.00	16.51
ATOM	2829	N	LEU		78	57.354	18.703	68.682	1.00	17.91
ATOM	2830	CA	LEU		78	58.074	19.610	67.792		14.62
ATOM	2831	CB	LEU		78	59.558	19.235	67.683		19.22
ATOM	2832	CG	LEU		78	60.190	18.709	68.980		24.19
MOTA	2833		LEU		78	61.387	17.832	68.669		25.60
ATOM	2834		LEU		78	60.571	19.861	69.903		24.35
	2835	CDZ	LEU		78	57.435	19.608	66.409		18.54
ATOM							18.637	65.968		20.82
ATOM	2836	0	LEU		78	56.815		65.709		20.55
ATOM	2837	N	PRO		79	57.571	20.731			
ATOM	2838	CA	PRO		79	56.989	20.844	64.367		19.22
ATOM	2839	CB	PRO		79	57.039	22.345	64.119		13.66
MOTA	2840	CG	PRO		79	58.250	22.790	64.870		15.94
ATOM	2841	CD	PRO		79	58.277	21.944	66.121		16.86
MOTA	2842	С	PRO		79	57.883	20.131	63.351		11.53
MOTA	2843	0	PRO		79	59.095	20.108	63.519		19.21
MOTA	2844	N	TYR		80	57.241	19.570	62.352		16.10
MOTA	2845	CA	TYR		80	57.888	18.998	61.189		18.42
ATOM	2846	CB	TYR		80	56.838	18.332	60.309		19.59
MOTA	2847	CG	TYR	В	80	56.182	17.120	60.923		16.10
ATOM	2848	CD1	TYR	В	80	56.947	16.162	61.577	1.00	18.02
ATOM	2849	CE1	TYR	В	80	56.303	15.060	62.124	1.00	17.97
ATOM	2850	CZ	TYR		80	54.947	14.908	62.021	1.00	19.16
ATOM	2851	ОН	TYR		80	54.319	13.807	62.575	1.00	29.70
MOTA	2852		TYR		80	54.174	15.848	61.375	1.00	23.11
ATOM	2853		TYR		80	54.816	16.945	60.831	1.00	16.60
ATOM	2854	C	TYR		80	58.596	20.101	60.399		23.17
ATOM	2855	0	TYR		80	58.013	21.187	60.227		20.07
ATOM	2856	N	ASP		81	59.813	19.801	59.961		18.92
ATOM	2857	CA	ASP		81	60.613	20.748	59.186		25.46
ATOM	2858	CB	ASP		81	61.883	20.083	58.649		35.12
ATOM	2859	CG	ASP		81	62.912	19.827	59.726		34.96
HION	2000	CG	AUL	ב	0.1	V2. V12		55.720		

MOTA	2860	OD1	ASP	В	81	62.916	20.589	60.714	1.00 26.58
ATOM	2861	OD2	ASP	В	81	63.711	18.878	59.602	1.00 34.17
ATOM	2862	С	ASP	В	81	59.815	21.292	58.006	1.00 24.68
ATOM	2863	0	ASP	В	81	59.877	22.476	57.667	1.00 30.63
ATOM	2864	N	ALA		82	59.076	20.393	57.377	1.00 21.31
MOTA	2865	CA	ALA		82	58.381	20.689	56.123	1.00 26.95
ATOM	2866	CB	ALA		82	57.912	19.386	55.477	1.00 20.31
ATOM	2867	C	ALA		82	57.202	21.637	56.283	1.00 33.87
ATOM	2868	0	ALA		82	56.749	22.267	55.323	1.00 20.97
	2869	N	THR		83	56.636	21.770	57.486	1.00 28.89
ATOM	2870				83	55.445	22.602	57.616	1.00 17.68
ATOM		CA	THR		83	54.208	21.738	57.906	1.00 21.79
MOTA	2871	CB	THR				21.730	59.135	1.00 23.91
ATOM	2872	OG1	THR		83	54.406			1.00 23.31
ATOM	2873	CG2	THR		83	54.006	20.709	56.804	
ATOM	2874	C	THR		83	55.581	23.645	58.723	
MOTA	2875	0	THR		83	54.598	24.307	59.062	1.00 19.85
MOTA	2876	N	ARG		84	56.768	23.799	59.299	1.00 17.15
MOTA	2877	CA	ARG		84	56.880	24.747	60.406	1.00 21.26
ATOM	2878	CB	ARG		84	58.224	24.629	61.116	1.00 18.18
MOTA	2879	CG	ARG	В	84	59.419	25.008	60.264	1.00 19.29
ATOM	2880	CD	ARG	В	84	60.737	24.812	60.999	1.00 26.01
MOTA	2881	NE	ARG	В	84	61.852	25.270	60.167	1.00 27.31
MOTA	2882	CZ	ARG	В	84	62.526	26.386	60.390	1.00 21.69
ATOM	2883	NH1	ARG	В	84	62.193	27.161	61.422	1.00 22.24
ATOM	2884	NH2	ARG	В	84	63.521	26.738	59.595	1.00 19.19
ATOM	2885	С	ARG	В	84	56.677	26.175	59.897	1.00 24.93
ATOM	2886	0	ARG		84	56.868	26.452	58.713	1.00 16.17
MOTA	2887	N	VAL		85	56.283	27.055	60.809	1.00 19.84
ATOM	2888	CA	VAL		85	56.219	28.487	60.544	1.00 18.69
ATOM	2889	СВ	VAL		85	55.146	29.192	61.386	1.00 16.28
ATOM	2890	CG1	VAL		85	55.102	30.685	61.039	1.00 23.59
ATOM	2891	CG2	VAL		85	53.777	28.590	61.148	1.00 12.01
MOTA	2892	C	VAL		85	57.571	29.131	60.815	1.00 17.55
MOTA	2893	0	VAL		85	58.203	28.908	61.852	1.00 25.85
ATOM	2894	N	LYS		86	58.044	29.941	59.868	1.00 18.16
ATOM	2895	CA	LYS	В	86	59.348	30.575	60.022	1.00 22.13
ATOM	2896	CB	LYS		86	60.149	30.469	58.717	1.00 23.96
		CG		В	86	60.650	29.070	58.416	1.00 23.28
MOTA MOTA	2897 2898	CD	LYS		86	60.864	28.859	56.929	1.00 35.17
					86	61.343	27.446	56.630	1.00 42.63
ATOM	2899	CE	LYS			62.795	27.284	56.931	1.00 42.03
ATOM	2900	NZ	LYS		86			60.400	1.00 02.03
ATOM	2901	C	LYS		86	59.240	32.051		
ATOM	2902	0	LYS		86	58.381	32.768	59.867	1.00 22.58
MOTA	2903	N	LEU		87	60.112	32.497	61.294	1.00 23.50
ATOM	2904	CA	LEU		87	60.204	33.921	61.604	1.00 27.10
ATOM	2905	CB	LEU		87	60.653	34.189	63.033	1.00 25.75
ATOM	2906	CG	LEU		87	59.927	33.453	64.164	1.00 30.29
ATOM	2907		LEU		87	60.620	33.695	65.499	1.00 34.70
MOTA	2908		LEU		87	58.467	33.866	64.258	1.00 17.70
MOTA	2909	С	LEU	В	87	61.205	34.550	60.631	1.00 35.83
ATOM	2910	0	LEU	В	87	62.080	33.839	60.127	1.00 31.73
ATOM	2911	N	SER	В	88	61.082	35.842	60.383	1.00 37.78

ATOM	2912	CA	SER	В	88	62.022	36.595	59.565	1.00 39.22
MOTA	2913	CB	SER	В	88	61.501	38.024	59.360	1.00 37.70
ATOM	2914	OG	SER	В	88	62.058	38.842	60.384	1.00 56.30
ATOM	2915	С	SER	В	88	63.405	36.685	60.202	1.00 54.75
MOTA	2916	0	SER	В	88	63.540	36.552	61.419	1.00 56.41
ATOM	2917	N	ASN	В	89	64.420	36.927	59.382	1.00 75.33
ATOM	2918	CA	ASN	В	89	65.802	37.090	59.812	1.00 89.87
ATOM	2919	CB	ASN	В	89	66.720	37.253	58.599	1.00 90.11
ATOM	2920	CG	ASN	В	89	66.156	38.159	57.525	1.00 90.26
ATOM	2921	OD1	ASN	В	89	65.038	38.666	57.636	1.00 84.88
ATOM	2922	ND2	ASN	В	89	66.932	38.372	56.466	1.00 89.32
MOTA	2923	С	ASN	В	89	65.966	38.281	60.749	1.00104.61
ATOM	2924	0	ASN	В	89	65.046	39.100	60.888	1.00106.28
ATOM	2925	N	VAL	В	90	67.134	38.404	61.376	1.00117.38
ATOM	2926	CA	VAL		90	67.381	39.480	62.324	1.00128.11
ATOM	2927	CB	VAL		90	66.614	39.227	63.643	1.00131.44
ATOM	2928	CG1	VAL		90	65.182	39.743	63.544	1.00127.66
ATOM	2929	CG2	VAL		90	66.623	37.744	64.000	1.00133.27
ATOM	2930	С	VAL		90	68.865	39.654	62.644	1.00131.59
ATOM	2931	Ō	VAL		90	69.731	39.301	61.846	1.00124.37
ATOM	2932	N		В	91	69.146	40.207	63.826	1.00135.31
ATOM	2933	CA	ASP		91	70.502	40.379	64.339	1.00137.26
ATOM	2934	СВ	ASP		91	70.482	40.895	65.775	1.00133.67
ATOM	2935	CG	ASP		91	71.529	41.944	66.104	1.00129.34
ATOM	2936	OD1	ASP		91	72.177	42.475	65.180	1.00133.28
MOTA	2937		ASP		91	71.709	42.256	67.303	1.00105.69
ATOM	2938	C	ASP		91	71.250	39.050	64.250	1.00141.41
ATOM	2939	Ö		В	91	70.663	38.007	64.553	1.00146.90
ATOM	2940	N	ASP		92	72.513	39.087	63.838	1.00141.54
ATOM	2941	CA		В	92	73.278	37.858	63.613	1.00138.38
ATOM	2942	CB		В	92	73.621	37.167	64.928	1.00136.13
ATOM	2943	CG	ASP		92	75.034	37.428	65.408	1.00132.67
MOTA	2944	OD1	ASP		92	75.913	37.722	64.570	1.00132.34
ATOM	2945		ASP		92	75.280	37.340	66.632	1.00122.69
ATOM	2946	C	ASP		92	72.468	36.947	62.696	1.00135.79
ATOM	2947	0		В	92	71.582	37.442	61.988	1.00127.98
ATOM	2948	N	ASP		93	72.728	35.641	62.690	1.00134.71
MOTA	2949	CA	ASP		93	71.890	34.782	61.848	1.00133.27
ATOM	2950	CB	ASP		93	72.308	34.930	60.381	1.00139.50
MOTA	2951	CG	ASP		93	71.490	35.955	59.623	1.00143.40
	2952		ASP		93	70.243	35.893	59.679	1.00148.49
ATOM	2953		ASP		93	72.087	36.837	58.963	1.00144.76
ATOM		C	ASP		93	71.922	33.319	62.260	1.00125.52
MOTA	2954				93	72.239	32.451	61.438	1.00123.32
ATOM	2955	0	ASP			71.590	32.989	63.500	1.00114.33
ATOM	2956	N	PRO		94		31.573	63.874	1.00122.00
ATOM	2957	CA	PRO		94	71.432		65.361	1.00119.79
ATOM	2958	CB	PRO		94	71.775	31.592		1.00119.79
ATOM	2959	CG	PRO		94	71.314	32.928	65.833 64.657	1.00121.98
ATOM	2960	CD	PRO		94	71.339	33.859		1.00123.36
ATOM	2961	C	PRO		94	69.991	31.145	63.644	
ATOM	2962	0	PRO		94	69.324	31.674	62.746	1.00 96.86
MOTA	2963	N	CYS	В	95	69.466	30.208	64.436	1.00101.66

MOTA	2964	CA	CYS	В	95	68.051	29.878	64.254	1.00 88.82
MOTA	2965	CB	CYS	В	95	67.674	28.484	64.735	1.00 90.50
ATOM	2966	SG	CYS	В	95	66.393	27.656	63.760	1.00135.13
ATOM	2967	С	CYS	В	95	67.191	30.918	64.979	1.00 70.52
ATOM	2968	0	CYS		95	66.476	30.585	65.919	1.00 43.58
ATOM	2969	N	SER		96	67.296	32.147	64.494	1.00 60.87
ATOM	2970	CA	SER		96	66.446	33.248	64.919	1.00 51.63
ATOM	2971	CB	SER		96	67.101	34.608	64.689	1.00 54.58
ATOM	2972	OG	SER		96	67.550	34.751	63.352	1.00 59.05
	2973	C	SER		96	65.124	33.166	64.152	1.00 37.78
ATOM			SER		96	64.267	34.025	64.352	1.00 49.18
ATOM	2974	0			97	65.021	32.137	63.309	1.00 31.64
ATOM	2975	N	ASP				31.873	62.516	1.00 27.57
MOTA	2976	CA		В	97	63.824		61.103	1.00 27.37
ATOM	2977	CB		В	97	64.227	31.446		
ATOM	2978	CG		В	97	64.442	29.970	60.866	1.00 34.09
MOTA	2979	OD1	ASP		97	64.645	29.151	61.783	1.00 28.80
MOTA	2980		ASP		97	64.413	29.585	59.675	1.00 47.02
MOTA	2981	С	ASP		97	62.890	30.840	63.150	1.00 18.50
ATOM	2982	0	ASP		97	61.800	30.601	62.619	1.00 19.32
ATOM	2983	N	TYR		98	63.315	30.229	64.254	1.00 22.52
ATOM	2984	CA	TYR	В	98	62.577	29.112	64.817	1.00 19.25
ATOM	2985	CB	TYR	В	98	63.509	28.066	65.493	1.00 21.90
MOTA	2986	CG	TYR		98	62.669	26.947	66.087	1.00 23.21
ATOM	2987	CD1	TYR	В	98	62.108	26.015	65.211	1.00 18.81
ATOM	2988	CE1	TYR	В	98	61.328	24.979	65.683	1.00 18.20
ATOM	2989	CZ	TYR	В	98	61.098	24.872	67.048	1.00 27.42
ATOM	2990	OH	TYR	В	98	60.311	23.833	67.506	1.00 16.71
MOTA	2991	CE2	TYR	В	98	61.630	25.785	67.929	1.00 16.10
MOTA	2992	CD2	TYR	В	98	62.415	26.819	67.453	1.00 15.44
ATOM	2993	С	TYR	В	98	61.524	29.537	65.833	1.00 21.92
ATOM	2994	0	TYR	В	98	61.779	30.233	66.820	1.00 22.98
ATOM	2995	N	ILE		99	60.320	29.031	65.582	1.00 16.17
ATOM	2996	CA	ILE		99	59.284	29.019	66.598	1.00 17.96
MOTA	2997	CB	ILE		99	58.282	30.173	66.466	1.00 18.22
ATOM	2998	CG1		В	99	57.208	30.134	67.564	1.00 17.54
ATOM	2999	CD1		В	99	56.327	31.368	67.580	1.00 25.26
ATOM	3000	CG2		В	99	57.629	30.221	65.094	1.00 17.90
ATOM	3001	C	ILE		99	58.551	27.679	66.534	1.00 23.11
MOTA	3002	ō	ILE		99	58.319	27.138	65.454	1.00 19.27
ATOM	3002	N	ASN			58.185	27.139	67.694	1.00 23.62
ATOM	3003	CA	ASN			57.381	25.908	67.687	1.00 17.64
		CB	ASN			57.354	25.270	69.079	1.00 18.48
ATOM	3005					56.794	23.863	69.078	1.00 13.37
ATOM	3006	CG	ASN				23.626	68.446	1.00 18.56
ATOM	3007		ASN			55.775 57.453	22.935	69.780	1.00 17.03
ATOM	3008		ASN			57.453	26.223	67.175	1.00 17.03
ATOM	3009	C	ASN						
ATOM	3010	0	ASN			55.058	26.498	67.938	1.00 16.80
MOTA	3011	N	ALA			55.867	26.172	65.839	1.00 13.82
ATOM	3012	CA	ALA			54.584	26.447	65.209	1.00 8.38
MOTA	3013	CB	ALA			54.344	27.949	65.090	1.00 14.14
ATOM	3014	С	ALA			54.488	25.803	63.815	1.00 10.67
MOTA	3015	0	ALA	В	101	55.532	25.598	63.187	1.00 17.26

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ΑŢ	MOT	3016	N	SER		102	53.268	25.514	63.375	1.00 10.49
ΑT	MOT	3017	CA	SER	В	102	53.065	24.791	62.119	1.00 15.63
Αſ	MOT	3018	CB	SER	В	102	52.782	23.308	62.372	1.00 17.37
ΑT	MOT	3019	OG	SER	В	102	53.658	22.704	63.287	1.00 15.04
	MOT	3020	С	SER	В	102	51.879	25.328	61.337	1.00 17.17
	MO	3021	0	SER		102	50.844	25.684	61.902	1.00 18.22
	MOT	3022	N	TYR		103	51.990	25.368	60.011	1.00 16.28
		3023	CA	TYR		103	50.851	25.708	59.172	1.00 17.81
	MOT							26.133	57.778	1.00 18.72
	MO	3024	CB	TYR		103	51.321			
	MOT	3025	CG	TYR		103	52.139	27.398	57.701	1.00 12.87
A'	MO	3026	CD1	TYR		103	51.547	28.633	57.956	1.00 23.49
Αſ	MOT	3027	CE1	TYR		103	52.288	29.795	57.886	1.00 21.55
ΑΊ	MOT	3028	CZ	TYR	В	103	53.619	29.769	57.564	1.00 22.19
A7	MO7	3029	OH	TYR	В	103	54.334	30.948	57.499	1.00 32.87
ΑJ	MOT	3030	CE2	TYR	В	103	54.238	28.562	57.303	1.00 23.02
Αĵ	MOT	3031	CD2	TYR	В	103	53.483	27.400	57.377	1.00 19.58
A7	MOT	3032	С	TYR	В	103	49.915	24.504	59.015	1.00 24.37
A'	MOT	3033	0	TYR	В	103	50.388	23.378	58.803	1.00 20.89
	MOT	3034	N	ILE		104	48.612	24.720	59.106	1.00 17.36
	MOT	3035	CA	ILE		104	47.596	23.693	58.951	1.00 20.36
	MO	3036	СВ	ILE		104	46.894	23.397	60.301	1.00 24.05
	MO	3037	CG1	ILE		104	47.859	23.206	61.472	1.00 23.04
	MO	3038	CD1	ILE		104	48.755	21.992	61.352	1.00 23.46
	MOT	3039	CG2	ILE		104	45.961	22.211	60.187	1.00 28.18
			CGZ	ILE		104	46.532	24.093	57.945	1.00 23.59
	MOT	3040				104		25.175	58.016	1.00 20.30
	MOI	3041	0	ILE			45.944		56.979	1.00 20.30
	MOT	3042	N	PRO		105	46.247	23.225		
	MOT	3043	CA	PRO		105	45.145	23.455	56.051	1.00 17.40
	MO	3044	CB	PRO		105	45.259	22.284	55.052	1.00 20.56
	MO	3045	CG	PRO		105	46.684	21.880	55.173	1.00 22.00
	MOT	3046	CD	PRO		105	46.978	21.979	56.663	1.00 22.12
A?	MOT	3047	С	PRO		105	43.779	23.370	56.704	1.00 23.93
ΑT	MOT	3048	0	PRO		105	43.584	22.625	57.664	1.00 32.98
Αſ	MOT	3049	N	GLY	В	106	42.850	24.133	56.156	1.00 21.83
A ^r	MOT	3050	CA	GLY	В	106	41.473	24.095	56.614	1.00 27.14
A?	ГОМ	3051	С	GLY	В	106	40.541	23.642	55.502	1.00 26.84
ΑT	MOT	3052	0	GLY	В	106	40.994	23.136	54.472	1.00 26.33
ΑT	MOT	3053	N	ASN	В	107	39.234	23.821	55.689	1.00 23.33
	ГОМ	3054	CA	ASN		107	38.309	23.403	54.648	1.00 33.39
A	MOT	3055	CB	ASN		107	36.859	23.587	55.104	1.00 40.50
	MO	3056	CG	ASN			36.393	22.414	55.950	1.00 42.30
	MO	3057		ASN			37.022	21.357	55.975	1.00 50.74
	MOI	3058		ASN			35.282	22.645	56.633	1.00 52.70
	COM	3059	C	ASN			38.485	24.195	53.354	1.00 41.23
	rom	3060	0	ASN			38.042	23.711	52.312	1.00 34.23
				ASN			39.085	25.371	53.459	1.00 40.92
	MOT	3061	N Cn	ASN			39.051	26.395	52.426	1.00 40.32
	MOT	3062	CA				38.527		53.085	1.00 31.20
	MOY	3063	CB	ASN				27.684		1.00 41.62
	MOT	3064	CG	ASN			37.199	27.416	53.777	
	MO	3065		ASN			36.227	27.042	53.112	1.00 34.83
	ľOM	3066		ASN			37.163	27.598	55.094	1.00 31.17
A?	MOT	3067	С	ASN	В	108	40.386	26.637	51.756	1.00 31.83

ATOM	3068	0	ASN	В	108	40.482	26.772	50.534	1.00 39.22
ATOM	3069	N	PHE	В	109	41.468	26.703	52.531	1.00 30.33
MOTA	3070	CA	PHE	В	109	42.774	26.919	51.911	1.00 21.96
ATOM	3071	CB	PHE	В	109	43.085	28.400	51.749	1.00 20.80
MOTA	3072	CG	PHE	В	109	42.708	29.329	52.890	1.00 28.79
MOTA	3073	CD1	PHE	В	109	43.692	29.911	53.674	1.00 25.92
ATOM	3074	CE1	PHE	В	109	43.376	30.759	54.718	1.00 31.45
ATOM	3075	CZ	PHE	В	109	42.054	31.055	54.993	1.00 37.19
MOTA	3076	CE2	PHE	В	109	41.064	30.476	54.218	1.00 41.01
ATOM	3077	CD2	PHE	В	109	41.386	29.628	53.175	1.00 32.74
ATOM	3078	С	PHE	В	109	43.860	26.236	52.741	1.00 20.75
ATOM	3079	0	PHE	В	109	43.593	25.834	53.871	1.00 23.61
MOTA	3080	N	ARG	В	110	45.045	26.137	52.178	1.00 19.49
MOTA	3081	CA	ARG	В	110	46.176	25.416	52.710	1.00 22.84
ATOM	3082	CB	ARG	В	110	47.210	25.227	51.575	1.00 21.99
MOTA	3083	CG	ARG	В	110	46.634	24.284	50.511	1.00 30.90
MOTA	3084	CD	ARG	В	110	47.726	23.349	50.019	1.00 39.83
MOTA	3085	NE	ARG	В	110	47.226	22.405	49.014	1.00 54.08
MOTA	3086	CZ	ARG	В	110	47.347	21.087	49.185	1.00 72.63
MOTA	3087		ARG		110	47.930	20.619	50.282	1.00 79.88
ATOM	3088		ARG		110	46.889	20.253	48.262	1.00 87.83
ATOM	3089	С	ARG		110	46.863	26.073	53.890	1.00 29.52
ATOM	3090	0	ARG		110	47.454	25.377	54.728	1.00 28.77
ATOM	3091	N	ARG		111	46.847	27.402	53.997	1.00 20.01
ATOM	3092	CA	ARG		111	47.476	27.910	55.233	1.00 24.11
ATOM	3093	CB	ARG		111	48.635	28.837	54.943	1.00 22.68
ATOM	3094	CG	ARG		111	49.880	28.255	54.313	1.00 19.86
ATOM	3095	CD	ARG		111	50.961	29.325	54.127	1.00 25.94
ATOM	3096	NE	ARG		111	52.272	28.701	53.923	1.00 30.60
ATOM	3097	CZ	ARG		111	53.449	29.295	54.017	1.00 21.38
ATOM	3098		ARG		111	53.524	30.583	54.324	1.00 42.58
MOTA	3099		ARG		111	54.570	28.620	53.808	1.00 29.00
ATOM	3100	С	ARG		111	46.398	28.613	56.060	1.00 21.97
ATOM	3101	0	ARG		111	46.481	29.791	56.388	1.00 19.77
ATOM	3102	N		В	112	45.354	27.865	56.383	1.00 16.17
ATOM	3103	CA		В	112	44.185	28.417	57.045	1.00 16.65
ATOM	3104	СВ		В	112	42.994	27.458	56.911	1.00 17.98
ATOM	3105	CG		В	112	41.678	28.188	57.126	1.00 27.35
ATOM	3106	CD	GLU		112	40.479	27.519	56.495	1.00 27.95
ATOM	3107		GLU			39.370	27.881	56.934	1.00 28.26
ATOM	3108		GLU			40.609	26.665	55.596	1.00 25.50
ATOM	3109	С	GLU			44.461	28.700	58.518	1.00 23.99
ATOM	3110	0	GLU			43.974	29.662	59.122	1.00 19.68
ATOM	3111	N	TYR			45.280	27.832	59.107	1.00 19.82
ATOM	3112	CA	TYR			45.597	28.015	60.522	1.00 17.80
ATOM	3113	CB	TYR		113	44.940	26.997	61.450	1.00 25.68
ATOM	3114	CG	TYR			43.505	26.647	61.175	1.00 20.88
ATOM	3115		TYR			43.208	25.633	60.274	1.00 19.21
ATOM	3116		TYR			41.902	25.283	60.002	1.00 20.32
ATOM	3117		TYR			40.871	25.942	60.626	1.00 20.68
ATOM	3118		TYR			39.572	25.584	60.345	1.00 24.62
ATOM	3119	CE2	TYR	В	113	41.133	26.956	61.534	1.00 14.80

ATOM	3120	CD2			113	42.450	27.300	61.802	1.00	15.14
ATOM	3121	С			113	47.090	27.916	60.726	1.00	11.85
MOTA	3122	0	TYR	В	113	47.865	27.314	59.989	1.00	18.08
MOTA	3123	N	ILE	В	114	47.491	28.590	61.805	1.00	17.37
MOTA	3124	CA			114	48.801	28.423	62.389	1.00	12.30
MOTA	3125	CB	ILE	В	114	49.576	29.751	62.490	1.00	19.28
ATOM	3126	CG1			114	50.011	30.240	61.102	1.00	19.55
MOTA	3127	CD1	ILE	В	114	51.019	31.347	61.037	1.00	18.32
ATOM	3128	CG2	ILE	В	114	50.722	29.619	63.473	1.00	10.43
ATOM	3129	С	ILE	В	114	48.607	27.809	63.771	1.00	13.65
MOTA	3130	0	ILE	В	114	47.920	28.374	64.607	1.00	20.47
MOTA	3131	N	VAL	В	115	49.207	26.630	63.960	1.00	18.21
MOTA	3132	CA	VAL	В	115	49.068	25.982	65.260	1.00	21.54
ATOM	3133	CB	VAL	В	115	48.724	24.487	65.134	1.00	26.76
ATOM	3134	CG1	VAL	В	115	49.151	23.747	66.394		21.17
MOTA	3135	CG2	VAL	В	115	47.236	24.353	64.859		23.83
MOTA	3136	С	VAL	В	115	50.366	26.144	66.018	1.00	15.13
ATOM	3137	0	VAL	В	115	51.470	26.092	65.484		15.47
MOTA	3138	N	THR	В	116	50.255	26.378	67.328	1.00	14.92
MOTA	3139	CA	THR	В	116	51.530	26.594	68.022	1.00	12.65
MOTA	3140	CB	THR	В	116	51.927	28.078	67.913		16.69
MOTA	3141	OG1	THR	В	116	53.253	28.333	68.385	1.00	15.71
ATOM	3142	CG2	THR	В	116	50.956	28.910	68.764		17.43
ATOM	3143	С	THR	В	116	51.360	26.112	69.463		11.03
ATOM	3144	0	THR	В	116	50.246	25.848	69.902		11.09
MOTA	3145	N	GLN	В	117	52.459	25.961	70.161		12.28
MOTA	3146	CA	GLN	В	117	52.444	25.635	71.579		13.83
ATOM	3147	CB	GLN	В	117	53.863	25.230	71.985		14.30
ATOM	3148	CG	GLN	В	117	54.898	26.324	71.994		10.96
ATOM	3149	CD	GLN	В	117	56.300	25.936	72.377		19.11
ATOM	3150	OE1	GLN	В	117	56.676	24.759	72.435	1.00	18.55
ATOM	3151	NE2	GLN	В	117	57.164	26.915	72.649	1.00	17.68
ATOM	3152	С	GLN	В	117	51.991	26.834	72.400	1.00	20.95
ATOM	3153	0	GLN	В	117	52.025	27.946	71.859		14.87
MOTA	3154	N	GLY	В	118	51.630	26.648	73.666	1.00	14.16
MOTA	3155	CA	GLY	В	118	51.461	27.815	74.553	1.00	11.25
ATOM	3156	С	GLY	В	118	52.809	28.483	74.732	1.00	11.67
MOTA	3157	0	GLY	В	118	53.804	27.871	75.122	1.00	18.12
ATOM	3158	N	PRO	В	119	52.897	29.771	74.383	1.00	15.72
MOTA	3159	CA	PRO	В	119	54.165	30.499	74.473	1.00	17.34
MOTA	3160	CB	PRO	В	119	53.761	31.941	74.150		18.05
ATOM	3161	CG	PRO	В	119	52.540	31.802	73.307	1.00	16.94
ATOM	3162	CD	PRO	В	119	51.802	30.606	73.862	1.00	18.02
ATOM	3163	С	PRO	В	119	54.767	30.441	75.878		12.82
ATOM	3164	0	PRO	В	119	54.020	30.432	76.865	1.00	17.29
ATOM	3165	N	LEU	В	120	56.088	30.366	75.889		22.15
ATOM	3166	CA	LEU	В	120	56.900	30.382	77.094		25.66
ATOM	3167	СВ	LEU	В	120	58.171	29.551	76.952		21.93
ATOM	3168	CG	LEU			57.984	28.079	76.585		26.05
ATOM	3169	CD1	LEU			59.239	27.508	75.941		24.09
ATOM	3170		LEU :			57.592	27.308	77.828		25.20
MOTA	3171	С	LEU :			57.275	31.832	77.417		23.76

ATOM	3172	0	LEU	В	120	57.201	32.682	76.533	1.00 21.98
ATOM	3173	N	PRO	В	121	57.659	32.087	78.659	1.00 19.89
ATOM	3174	CA	PRO	В	121	58.151	33.418	79.028	1.00 22.32
ATOM	3175	СВ	PRO	В	121	58.751	33.181	80.415	1.00 25.42
MOTA	3176	CG	PRO	В	121	57.957	32.033	80.964	1.00 28.77
MOTA	3177	CD	PRO	В	121	57.648	31.145	79.793	1.00 23.68
MOTA	3178	С	PRO	В	121	59.228	33.871	78.048	1.00 24.84
MOTA	3179	0	PRO	В	121	59.278	35.032	77.646	1.00 28.28
ATOM	3180	N	GLY	В	122	60.083	32.929	77.647	1.00 24.79
ATOM	3181	CA	GLY	В	122	61.164	33.214	76.738	1.00 26.40
ATOM	3182	С	GLY	В	122	60.850	33.227	75.260	1.00 19.61
ATOM	3183	0	GLY	В	122	61.744	33.609	74.493	1.00 26.22
ATOM	3184	N	THR	В	123	59.660	32.849	74.813	1.00 19.28
ATOM	3185	CA	THR	В	123	59.353	32.851	73.388	1.00 21.38
ATOM	3186	СВ	THR	В	123	59.009	31.450	72.839	1.00 17.49
ATOM	3187	OG1	THR	В	123	57.825	30.952	73.499	1.00 18.47
ATOM	3188	CG2	THR	В	123	60.136	30.465	73.099	1.00 21.69
ATOM	3189	С	THR	В	123	58.182	33.770	73.092	1.00 18.63
ATOM	3190	0	THR	В	123	57.760	33.895	71.942	1.00 21.10
ATOM	3191	N	LYS	В	124	57.616	34.408	74.128	1.00 17.85
ATOM	3192	CA	LYS	В	124	56.401	35.150	73.790	1.00 19.83
ATOM	3193	СВ	LYS	В	124	55.659	35.684	74.999	1.00 20.67
ATOM	3194	CG	LYS	В	124	56.454	36.481	76.010	1.00 22.46
ATOM	3195	CD	LYS	В	124	55.540	36.754	77.204	1.00 32.02
ATOM	3196	CE	LYS	В	124	56.234	37.523	78.317	1.00 34.93
ATOM	3197	NZ	LYS	В	124	55.312	37.592	79.499	1.00 34.71
MOTA	3198	С	LYS	В	124	56.716	36.320	72.843	1.00 17.31
MOTA	3199	0	LYS	В	124	55.797	36.775	72.162	1.00 18.88
ATOM	3200	N	ASP	В	125	57.972	36.753	72.843	1.00 22.11
ATOM	3201	CA	ASP	В	125	58.311	37.850	71.919	1.00 32.47
ATOM	3202	CB	ASP	В	125	59.648	38.486	72.278	1.00 25.76
ATOM	3203	CG	ASP	В	125	59.590	39.330	73.544	1.00 26.93
ATOM	3204	OD1	ASP	В	125	58.487	39.534	74.093	1.00 23.69
MOTA	3205	OD2	ASP	В	125	60.656	39.797	73.994	1.00 34.33
ATOM	3206	С	ASP	В	125	58.275	37.287	70.500	1.00 25.35
MOTA	3207	0	ASP	В	125	57.755	37.900	69.568	1.00 20.65
ATOM	3208	N	ASP	В	126	58.823	36.085	70.361	1.00 23.45
ATOM	3209	CA	ASP	В	126	58.740	35.345	69.103	1.00 28.27
ATOM	3210	CB	ASP	В	126	59.416	33.982	69.251	1.00 31.70
ATOM	3211	CG	ASP	В	126	60.912	34.025	69.453	1.00 37.78
ATOM	3212	OD1	ASP	В	126	61.567	34.998	69.021	1.00 35.70
ATOM	3213	OD2	ASP	В	126	61.452	33.065	70.055	1.00 41.12
ATOM	3214	С	ASP	В	126	57.297	35.155	68.655	1.00 24.03
ATOM	3215	0	ASP	В	126	56.928	35.305	67.484	1.00 21.60
ATOM	3216	N	PHE	В	127	56.418	34.780	69.586	1.00 19.45
ATOM	3217	CA	PHE	В	127	55.017	34.576	69.246	1.00 18.59
ATOM	3218	CB	PHE	В	127	54.220	34.196	70.505	1.00 15.64
ATOM	3219	CG	PHE			52.714	34.146	70.345	1.00 18.56
MOTA	3220	CD1	PHE	В	127	52.137	32.939	69.936	1.00 16.99
ATOM	3221		PHE	В	127	50.771	32.846	69.790	1.00 15.74
MOTA	3222	CZ	PHE	В	127	49.941	33.925	70.023	1.00 21.60
ATOM	3223	CE2	PHE	В	127	50.506	35.127	70.433	1.00 14.92

ATOM	3224	CD2	PHE	В	127	51.865	35.219	70.593	1.00	11.80
ATOM	3225	С	PHE	В	127	54.417	35.835	68.628		15.63
ATOM	3226	0	PHE	В	127	53.711	35.819	67.627	1.00	14.92
MOTA	3227	N	TRP	В	128	54.630	36.977	69.295	1.00	14.67
ATOM	3228	CA	TRP	В	128	53.959	38.186	68.805	1.00	16.59
ATOM	3229	CB	TRP		128	53.990	39.330	69.835	1.00	14.86
ATOM	3230	CG	TRP	В	128	52.966	39.089	70.927	1.00	13.08
ATOM	3231	CD1	TRP	В	128	53.298	38.867	72.240	1.00	14.73
ATOM	3232	NE1	TRP	В	128	52.169	38.677	72.995	1.00	12.11
ATOM	3233	CE2		В	128	51.074	38.775	72.179	1.00	13.55
MOTA	3234	CD2	TRP	В	128	51.542	39.029	70.874	1.00	12.42
ATOM	3235	CE3	TRP	В	128	50.575	39.166	69.868	1.00	13.65
MOTA	3236	CZ3	TRP	В	128	49.246	39.052	70.168	1.00	19.72
ATOM	3237	CH2			128	48.814	38.796	71.482	1.00	22.04
MOTA	3238	CZ2	TRP	В	128	49.725	38.655	72.495	1.00	19.42
MOTA	3239	С	TRP	В	128	54.577	38.581	67.460	1.00	13.73
ATOM	3240	0			128	53.849	39.046	66.583	1.00	22.69
ATOM	3241	N			129	55.877	38.373	67.292	1.00	16.55
MOTA	3242	CA			129	56.523	38.666	66.013		19.71
ATOM	3243	CB			129	58.015	38.363	66.108	1.00	22.40
MOTA	3244	CG			129	58.811	38.769	64.883		25.13
ATOM	3245	CD			129	60.267	38.316	64.882		28.99
ATOM	3246	CE			129	60.695	38.135	63.426	1.00	37.78
ATOM	3247	NZ	LYS		129	62.137	37.915	63.203	1.00	37.99
ATOM	3248	C			129	55.856	37.871	64.893		32.26
ATOM	3249	0			129	55.560	38.383	63.811		23.65
ATOM	3250	N			130	55.586	36.593	65.147	1.00	23.24
ATOM	3251	CA			130	54.908	35.732	64.180		23.01
MOTA	3252	CB			130	54.804	34.277	64.673		20.78
ATOM	3253	CG			130	53.968	33.376	63.751		16.92
ATOM	3254	SD			130	53.852	31.724	64.483		24.92
ATOM	3255	CE			130	52.612	31.968	65.746		15.70
ATOM	3256	C			130	53.516	36.249	63.878		16.75
ATOM	3257	0			130	53.068	36.268	62.733		21.38
ATOM	3258	N			131	52.799	36.648	64.923		14.58
ATOM	3259 3260	CA	VAL		131	51.451	37.179	64.697		11.14
ATOM ATOM	3261	CB CG1	VAL VAL		131 131	50.818	37.503	66.056		24.53
ATOM	3262		VAL		131	49.602	38.413	65.954		18.70
ATOM	3263	CGZ	VAL			50.452 51.546	36.195 38.398	66.761 63.773		13.43
ATOM	3264	0	VAL			50.746			1.00	
ATOM	3265	N	TRP		132	52.527	38.556 39.248	62.845	1.00	
ATOM	3266	CA	TRP			52.707		64.033	1.00	
ATOM	3267	CB	TRP		132		40.480	63.256	1.00	
ATOM	3268	CG	TRP			53.735 54.047	41.385	63.925	1.00	
ATOM	3269		TRP			55.127	42.651	63.178	1.00	
ATOM	3270		TRP .		132	55.094	42.862 44.132	62.368 61.851	1.00 1.00	
ATOM	3271		TRP		132	53.983	44.132	62.318		
ATOM	3272		TRP			53.299	43.876	63.159	1.00	33.94
ATOM	3272		TRP		132	52.112	44.298	63.769	1.00	
ATOM	3274		TRP :			51.663	45.586	63.769	1.00	
ATOM	3275		TRP :			52.373	46.450	62.681	1.00	
	52,5	-11C	T 1 1 1	٠.		52.575	-0100	02.001	1.00	55.15

MOTA	3276	CZ2	TRP	В	132	53.535	46.073	62.065	1.00	39.63
ATOM	3277	С	TRP	В	132	53.126	40.162	61.823	1.00	30.15
MOTA	3278	0	TRP	В	132	52.480	40.618	60.883	1.00	22.50
ATOM	3279	N	GLU	В	133	54.185	39.377	61.636	1.00	27.59
MOTA	3280	CA	GLU	В	133	54.620	39.019	60.289	1.00	24.71
ATOM	3281	CB	GLU	В	133	55.914	38.198	60.359	1.00	21.40
ATOM	3282	CG	GLU	В	133	56.932	38.826	61.304	1.00	27.89
MOTA	3283	CD	GLU	В	133	58.303	38.200	61.158	1.00	32.83
ATOM	3284	OE1	GLU	В	133	58.377	36.959	61.046	1.00	36.49
ATOM	3285	OE2	GLU	В	133	59.287	38.963	61.157	1.00	38.19
ATOM	3286	С	GLU		133	53.583	38.245	59.492	1.00	28.74
MOTA	3287	0	GLU		133	53.540	38.416	58.266	1.00	22.81
MOTA	3288	N	GLN		134	52.763	37.406	60.128	1.00	20.49
ATOM	3289	CA	GLN	В	134	51.817	36.563	59.392	1.00	16.15
MOTA	3290	CB	GLN		134	51.619	35.216	60.088	1.00	20.39
ATOM	3291	CG	GLN		134	52.869	34.348	60.135	1.00	23.00
ATOM	3292	CD	GLN		134	53.168	33.663	58.815		29.61
ATOM	3293	OE1	GLN		134	52.258	33.147	58.166	1.00	37.61
ATOM	3294	NE2			134	54.437	33.658	58.425	1.00	26.32
MOTA	3295	С	GLN		134	50.466	37.236	59.220	1.00	19.93
ATOM	3296	0	GLN		134	49.519	36.586	58.783		24.92
ATOM	3297	N	ASN		135	50.372	38.515	59.575	1.00	20.36
ATOM	3298	CA	ASN		135	49.118	39.244	59.402	1.00	18.42
ATOM	3299	CB	ASN		135	48.860	39.385	57.893		28.65
ATOM	3300	CG	ASN		135	50.072	40.027	57.229		39.16
ATOM	3301		ASN		135	50.454	41.140	57.596		35.15
ATOM	3302		ASN		135	50.693	39.350	56.271		39.15
MOTA	3303	С	ASN		135	47.956	38.565	60.092	1.00	21.37
ATOM	3304	0	ASN		135	46.828	38.506	59.609		20.97
ATOM	3305	N G7	VAL		136	48.226	38.024	61.282		23.56
ATOM	3306	CA	VAL		136	47.159	37.346	62.021	1.00	22.94
ATOM ATOM	3307 3308	CB	VAL		136	47.773	36.475	63.134		19.22
ATOM	3309	CG1 CG2	VAL VAL		136 136	46.690	35.933	64.043		20.50
ATOM	3310	CGZ	VAL		136	48.621	35.365 38.363	62.511	1.00	13.95
ATOM	3311	0	VAL		136	46.210 46.679	39.369	62.640		19.65
ATOM	3312	N		В	137	44.914	38.117	63.195 62.542		23.44 15.94
ATOM	3313	CA		В	137	43.919	38.956	63.175	1.00	22.68
ATOM	3314	CB	HIS		137	42.921	39.537	62.162	1.00	32.34
ATOM	3315	CG	HIS		137	43.539	40.472	61.174		50.91
ATOM	3316		HIS		137	42.795	41.144	60.227		62.67
ATOM	3317		HIS		137	43.597	41.891	59.487		61.13
ATOM	3318		HIS		137	44.835	41.728	59.922		55.36
ATOM	3319		HIS		137	44.823	40.845	60.971		46.21
ATOM	3320	C	HIS		137	43.129	38.192	64.237		21.18
ATOM	3321	Ō	HIS		137	42.446	38.847	65.029		25.91
MOTA	3322	N	ASN			43.200	36.861	64.239		20.71
ATOM	3323	CA	ASN			42.435	36.117	65.251		20.35
ATOM	3324	СВ	ASN			41.167	35.466	64.683		19.57
ATOM	3325	CG	ASN			40.246	36.482	64.038		25.55
ATOM	3326		ASN			40.149	36.530	62.809		32.78
ATOM	3327		ASN			39.593	37.321	64.827		15.27

ATOM	3328	С	ASN			43.316	35.057	65.905		16.32
ATOM	3329	0	ASN		138	44.016	34.315	65.217		22.33
ATOM	3330	N	ILE		139	43.256	35.021	67.224		12.38
MOTA	3331	CA	ILE	В	139	43.981	34.065	68.039		13.90
MOTA	3332	CB	ILE	В	139	45.010	34.736	68.966	1.00	17.37
ATOM	3333	CG1	ILE	В	139	46.050	35.606	68.246	1.00	18.49
ATOM	3334	CD1	ILE	В	139	47.007	36.323	69.166	1.00	12.78
ATOM	3335	CG2	ILE	В	139	45.702	33.693	69.832	1.00	17.74
ATOM	3336	С	ILE	В	139	43.005	33.252	68.883	1.00	21.32
ATOM	3337	0	ILE		139	42.141	33.824	69.551	1.00	17.35
ATOM	3338	N	VAL		140	43.161	31.923	68.805	1.00	13.24
ATOM	3339	CA	VAL		140	42.268	31.051	69.568	1.00	16.27
ATOM	3340	CB	VAL		140	41.494	30.072	68.677	1.00	27.64
ATOM	3341	CG1			140	40.663	29.111	69.518		15.58
ATOM	3342	CG2	VAL		140	40.592	30.819	67.697		23.20
	3343	C	VAL		140	43.114	30.311	70.610		18.13
MOTA		0	VAL		140	44.176	29.761	70.291		14.05
ATOM	3344		MET		141	42.658	30.324	71.870		13.85
ATOM	3345	N				43.424	29.744	72.969		17.23
ATOM	3346	CA			141					16.81
ATOM	3347	CB			141	43.894	30.844	73.939 75.094		16.69
ATOM	3348	CG	MET		141	44.730	30.340			18.21
MOTA	3349	SD	MET		141	45.484	31.660	76.071		
ATOM	3350	CE	MET		141	46.209	30.676	77.403		22.43
MOTA	3351	С	MET		141	42.539	28.740	73.681		18.04
MOTA	3352	0			141	41.502	29.159	74.204		23.03
MOTA	3353	N	VAL		142	42.894	27.450	73.708		13.36
ATOM	3354	CA	VAL		142	41.913	26.540	74.325		13.57
MOTA	3355	CB	VAL		142	41.368	25.488	73.342		16.78
ATOM	3356	CG1	VAL	В	142	40.352	26.126	72.403		25.66
ATOM	3357	CG2	VAL	В	142	42.526	24.857	72.591		22.06
MOTA	3358	С	VAL	В	142	42.536	25.823	75.513		15.54
ATOM	3359	0	VAL	В	142	42.224	24.690	75.854		36.13
MOTA	3360	N	THR	В	143	43.443	26.538	76.161		19.81
ATOM	3361	CA	THR	В	143	44.013	26.054	77.415		23.30
ATOM	3362	CB	THR	В	143	45.474	25.625	77.268	1.00	20.98
ATOM	3363	OG1	THR	В	143	45.916	24.941	78.455		20.64
ATOM	3364	CG2	THR	В	143	46.363	26.856	77.104	1.00	18.59
MOTA	3365	С	THR	В	143	43.915	27.174	78.445	1.00	27.90
ATOM	3366	0	THR		143	43.801	28.343	78.083	1.00	18.82
ATOM	3367	N	GLN			43.972	26.814	79.720	1.00	24.18
ATOM	3368	CA	GLN			44.194	27.849	80.726	1.00	26.49
ATOM	3369	СВ	GLN			43.490	27.554	82.038	1.00	25.93
ATOM	3370	CG	GLN			41.973	27.692	81.972		31.81
ATOM	3371	CD	GLN			41.409	27.232	83.315	1.00	43.70
MOTA	3372		GLN			41.157	28.059	84.185		50.17
ATOM	3373	NE2				41.251	25.923	83.447		42.17
ATOM	3374	C	GLN			45.701	27.911	80.950		21.88
		0	GLN			46.371	26.926	80.618		18.20
MOTA	3375 3376		CYS			46.176	29.017	81.502		17.45
ATOM	3376	N	CYS			47.594	29.207	81.718		13.43
MOTA	3377	CA					30.629	82.221		20.41
ATOM	3378	CB	CYS			47.853		80.891		23.38
MOTA	3379	SG	CYS	B	145	47.629	31.851	00.031	1.00	20.00

ATOM	3380	С	CYS	В	145	48.151	28.198	82.726		13.94
MOTA	3381	0	CYS	В	145	49.278	27.738	82.611		14.73
MOTA	3382	N	VAL	В	146	47.320	27.912	83.716		19.10
ATOM	3383	CA	VAL	В	146	47.674	26.994	84.798	1.00	21.25
MOTA	3384	CB	VAL	В	146	48.116	27.718	86.081	1.00	23.42
ATOM	3385	CG1	VAL	В	146	48.515	26.713	87.163	1.00	17.61
ATOM	3386	CG2			146	49.270	28.661	85.793		20.80
ATOM	3387	C	VAL		146	46.449	26.145	85.081		19.88
ATOM	3388	Ö	VAL		146	45.355	26.702	85.219		21.18
ATOM	3389	N	GLU		147	46.590	24.824	85.132		18.68
MOTA	3390	CA	GLU		147	45.398	24.012	85.422		18.49
	3391	CB	GLU		147	45.048	23.119	84.225		21.59
ATOM	3392	CG	GLU		147	44.374	23.905	83.116		23.43
ATOM						44.162	23.234	81.785		38.61
MOTA	3393	CD	GLU		147					34.89
ATOM	3394	OE1	GLU		147	44.493	22.040	81.618		30.39
ATOM	3395	OE2	GLU		147	43.636	23.926	80.870		
MOTA	3396	С	GLU		147	45.675	23.194	86.675		22.32
ATOM	3397	0	GLU		147	46.589	22.361	86.632		27.28
ATOM	3398	N	LYS		148	44.956	23.423	87.767		30.22
MOTA	3399	CA		В	148	45.226	22.630	88.976		32.97
ATOM	3400	CB	LYS		148	44.850	21.169	88.720		39.67
ATOM	3401	CG	LYS	В	148	43.346	20.947	88.598		44.29
MOTA	3402	CD	LYS	В	148	43.029	19.958	87.489		44.33
ATOM	3403	CE	LYS	В	148	41.527	19.780	87.325		49.46
ATOM	3404	NZ	LYS	В	148	41.028	20.351	86.043	1.00	61.43
ATOM	3405	С	LYS	В	148	46.681	22.757	89.395	1.00	28.17
ATOM	3406	0	LYS	В	148	47.401	21.830	89.761	1.00	28.44
ATOM	3407	N	GLY	В	149	47.163	24.001	89.303	1.00	19.82
ATOM	3408	CA	GLY	В	149	48.533	24.259	89.642	1.00	14.78
ATOM	3409	C	GLY	В	149	49.550	23.826	88.611	1.00	25.79
ATOM	3410	0	GLY	В	149	50.723	24.180	88.775	1.00	24.43
ATOM	3411	N	ARG		150	49.192	23.090	87.559	1.00	24.49
ATOM	3412	CA	ARG		150	50.193	22.668	86.579	1.00	21.93
ATOM	3413	CB	ARG		150	49.803	21.317	85.965	1.00	24.07
ATOM	3414	CG	ARG		150	49.775	20.179	86.980	1.00	28.42
ATOM	3415	CD	ARG		150	49.328	18.870	86.341	1.00	38.83
MOTA	3416	NE	ARG		150	48.126	18.371	87.014		49.80
ATOM	3417	CZ	ARG		150	46.904	18.817	86.738		54.11
ATOM	3418		ARG			46.718	19.752	85.811		48.84
MOTA	3419		ARG			45.865		87.394		45.18
ATOM	3420	C	ARG			50.346	23.708	85.467		15.49
ATOM	3421	0	ARG			49.325	24.039	84.872		23.49
	3422	N	VAL			51.543	24.202	85.215		18.22
ATOM							25.224	84.188		20.43
ATOM	3423	CA	VAL			51.760				27.81
ATOM	3424	CB	VAL			53.188	25.789	84.283		35.66
ATOM	3425		VAL			53.440	26.853	83.216		
ATOM		CG2				53.439	26.378	85.667		24.07
ATOM	3427	C	VAL			51.513	24.667	82.790		23.20
ATOM	3428	0	VAL			52.059	23.622	82.440		19.63
ATOM	3429	N	LYS			50.707	25.370	82.006		24.64
ATOM	3430	CA	LYS			50.357	24.963	80.651		14.29
ATOM	3431	CB	LYS	В	152	48.860	24.691	80.517	1.00	10.40

ATOM	3432	CG	LYS	В	152	48.253	23.776	81.578	1.00 17.03
MOTA	3433	CD	LYS :	В	152	48.788	22.349	81.417	1.00 21.83
ATOM	3434	CE	LYS	В	152	47.958	21.386	82.264	1.00 22.06
ATOM	3435	NZ	LYS			48.298	19.972	81.959	1.00 36.68
MOTA	3436	C	LYS			50.754	26.040	79.644	1.00 24.64
			LYS			51.009	25.763	78.468	1.00 18.65
ATOM	3437	0							1.00 10.03
MOTA	3438	N	CYS			50.803	27.314	80.047	
MOTA	3439	CA	CYS			51.051	28.334	79.016	1.00 12.40
ATOM	3440	CB	CYS		153	49.804	28.484	78.135	1.00 12.34
ATOM	3441	SG	CYS :	В	153	49.930	29.808	76.878	1.00 18.57
MOTA	3442	С	CYS	В	153	51.402	29.647	79.697	1.00 21.82
ATOM	3443	0	CYS	В	153	50.893	29.972	80.777	1.00 18.60
ATOM	3444	N	ASP :	В	154	52.295	30.439	79.135	1.00 16.73
ATOM	3445	CA	ASP			52.588	31.722	79.807	1.00 16.66
ATOM	3446	CB	ASP		154	53.893	32.268	79.253	1.00 17.86
		CG	ASP :		154	54.346	33.504	80.006	1.00 28.26
ATOM	3447					54.311	34.561	79.347	1.00 20.20
MOTA	3448		ASP I						
MOTA	3449		ASP			54.693	33.396	81.199	1.00 26.75
ATOM	3450	С	ASP :			51.417	32.676	79.644	1.00 19.16
MOTA	3451	0	ASP			50.633	32.566	78.696	1.00 19.76
MOTA	3452	N	HIS :	В	155	51.254	33.609	80.583	1.00 18.37
ATOM	3453	CA	HIS :	В	155	50.258	34.666	80.434	1.00 19.93
ATOM	3454	CB	HIS I	В	155	49.911	35.303	81.787	1.00 13.95
ATOM	3455	CG	HIS	В	155	48.744	36.236	81.679	1.00 17.38
ATOM	3456		HIS :			47.470	35.952	82.137	1.00 21.90
ATOM	3457		HIS		155	46.665	36.975	81.889	1.00 23.51
ATOM	3458		HIS			47.376	37.912	81.278	1.00 25.28
ATOM	3459	CD2				48.669	37.476	81.135	1.00 15.32
ATOM	3460	C	HIS		155	50.871	35.672	79.468	1.00 23.82
ATOM	3461	0	HIS		155	51.437	36.664	79.913	1.00 26.73
ATOM	3462	N	TYR		156	50.820	35.411	78.158	1.00 12.99
			TYR		156	51.669	36.173	77.258	1.00 17.64
ATOM	3463	CA	TYR I				35.306	76.025	1.00 17.34
ATOM	3464	CB			156	51.996		75.270	1.00 17.34
ATOM	3465	CG	TYR !		156	50.780	34.829		
ATOM	3466	CD1	TYR		156	50.206	35.541	74.233	1.00 9.88
ATOM	3467	CE1	TYR I		156	49.095	35.057	73.566	1.00 17.37
MOTA	3468	CZ	TYR !		156	48.537	33.843	73.912	1.00 16.91
ATOM	3469	ОН	TYR I		156	47.427	33.352	73.252	1.00 16.15
ATOM	3470	CE2	TYR I			49.095	33.107	74.941	1.00 16.17
MOTA	3471	CD2	TYR !	В	156	50.202	33.597	75.603	1.00 19.17
ATOM	3472	С	TYR	В	156	51.099	37.488	76.740	1.00 15.11
ATOM	3473	0	TYR	В	156	51.731	38.066	75.839	1.00 17.69
MOTA	3474	N	TRP 1			49.973	37.913	77.257	1.00 20.44
ATOM	3475	CA	TRP			49.317	39.185	76.948	1.00 22.51
ATOM	3476	СВ	TRP			47.941	38.916	76.355	1.00 19.87
ATOM	3477	CG	TRP 1			46.985	38.298	77.330	1.00 19.72
	3478		TRP 1			46.114	38.986	78.133	1.00 21.12
ATOM			TRP I			45.393	38.102	78.898	1.00 21.12
ATOM	3479							78.596	1.00 21.03
ATOM	3480		TRP I			45.787	36.823		
ATOM	3481		TRP I			46.788	36.910	77.612	1.00 21.27
ATOM	3482		TRP I			47.353	35.722	77.140	1.00 15.87
ATOM	3483	CZ3	TRP I	В	157	46.911	34.519	77.650	1.00 21.70

MOTA	3484		TRP	В	157	45.909	34.468	78.629	1.00 22.88
MOTA	3485	CZ2	TRP	В	157	45.339	35.614	79.114	1.00 25.47
MOTA	3486	С	TRP	В	157	49.245	40.010	78.227	1.00 31.95
ATOM	3487	0	TRP	В	157	49.455	39.413	79.292	1.00 26.71
MOTA	3488	N	PRO	В	158	48.992	41.310	78.208	1.00 31.73
ATOM	3489	CA	PRO	В	158	49.055	42.131	79.423	1.00 27.67
ATOM	3490	СВ	PRO	В	158	48.882	43.564	78.893	1.00 33.72
MOTA	3491	CG	PRO		158	49.181	43.472	77.432	1.00 33.76
ATOM	3492	CD	PRO		158	48.645	42.119	77.021	1.00 35.38
ATOM	3493	C	PRO		158	47.944	41.845	80.427	1.00 34.39
MOTA	3494	0	PRO		158	46.852	41.408	80.064	1.00 43.08
ATOM	3495	N	ALA		159	48.213	42.100	81.706	1.00 42.13
ATOM	3496	CA	ALA		159	47.276	41.840	82.796	1.00 36.27
	3497	CB	ALA		159	47.929	42.175	84.134	1.00 24.16
ATOM			ALA		159	45.986	42.624	82.659	1.00 36.43
ATOM	3498	C				44.871	42.160	82.889	1.00 36.43
ATOM	3499	0	ALA		159			82.264	1.00 30.44
ATOM	3500	N	ASP		160	46.124	43.889		
MOTA	3501	CA	ASP		160	44.940	44.748	82.237	1.00 35.84
MOTA	3502	CB		В	160	44.838	45.506	83.566	1.00 38.86
ATOM	3503	CG	ASP		160	46.127	46.268	83.835	1.00 40.84
MOTA	3504		ASP		160	46.496	47.091	82.969	1.00 44.84
MOTA	3505		ASP		160	46.760	46.038	84.883	1.00 45.44
MOTA	3506	С	ASP		160	45.033	45.682	81.045	1.00 34.03
ATOM	3507	0	ASP	В	160	45.484	45.251	79.981	1.00 35.16
MOTA	3508	N	GLN	В	161	44.646	46.947	81.174	1.00 31.44
MOTA	3509	CA	GLN	В	161	44.665	47.795	79.971	1.00 37.31
ATOM	3510	CB	GLN	В	161	43.443	48.713	79.958	1.00 48.77
MOTA	3511	CG	GLN	В	161	42.113	48.002	80.141	1.00 63.63
ATOM	3512	CD	GLN	В	161	41.545	47.351	78.898	1.00 66.46
ATOM	3513	OE1	GLN	В	161	41.702	47.819	77.769	1.00 73.28
MOTA	3514	NE2	GLN	В	161	40.851	46.230	79.085	1.00 44.47
ATOM	3515	С	GLN	В	161	45.959	48.574	79.868	1.00 30.80
ATOM	3516	0	GLN	В	161	46.164	49.414	78.991	1.00 30.61
MOTA	3517	N	ASP	В	162	46.927	48.325	80.752	1.00 31.03
ATOM	3518	CA	ASP		162	48.201	49.018	80.507	1.00 39.93
ATOM	3519	СВ	ASP		162	49.077	49.016	81.756	1.00 50.93
MOTA	3520	CG		В	162	49.441	47.616	82.213	1.00 68.18
ATOM	3521			В	162	48.998	46.637	81.574	1.00 86.94
ATOM	3522		ASP		162	50.176	47.492	83.218	1.00 99.89
ATOM	3523	C					48.357		1.00 39.36
ATOM	3524	0	ASP			48.627	47.197	79.014	1.00 54.50
ATOM	3525	N	SER			49.796	49.081	78.659	1.00 29.38
ATOM	3526	CA	SER			50.522	48.555	77.510	1.00 24.30
ATOM	3527	CB	SER		163	50.671	49.686	76.476	1.00 24.27
	3528	OG	SER			51.323	50.772	77.118	1.00 33.50
ATOM						51.887	47.999	77.867	1.00 33.30
ATOM	3529	C	SER		163 163	52.500	48.320	78.886	1.00 27.40
ATOM	3530	0	SER						
ATOM	3531	N	LEU		164	52.412	47.131	77.004	1.00 22.69
ATOM	3532	CA	LEU		164	53.721	46.549	77.197	1.00 23.41
ATOM	3533	CB	LEU		164	53.666	45.205	77.926	1.00 32.71
ATOM	3534	CG	LEU			53.276	45.168	79.401	1.00 41.07
ATOM	3535	CDI	LEU	В	164	52.777	43.780	79.796	1.00 39.52

ATOM	3536	CD2	LEU	В	164	54.432	45.565	80.311	1.00 34.59
MOTA	3537	С	LEU	В	164	54.400	46.334	75.839	1.00 19.77
ATOM	3538	0	LEU		164	53.727	46.182	74.820	1.00 25.31
ATOM	3539	N	TYR		165	55.717	46.327	75.881	1.00 22.94
					165	56.537	45.961	74.752	1.00 22.36
MOTA	3540	CA	TYR						1.00 18.40
ATOM	3541	CB	TYR		165	57.888	46.643	74.765	
ATOM	3542	CG	TYR		165	57.974	48.100	74.409	1.00 29.19
MOTA	3543	CD1	TYR	В	165	57.965	49.067	75.410	1.00 33.88
ATOM	3544	CE1	TYR	В	165	58.049	50.410	75.103	1.00 30.20
ATOM	3545	CZ	TYR	В	165	58.150	50.803	73.792	1.00 29.95
MOTA	3546	ОН	TYR	В	165	58.232	52.144	73.492	1.00 23.81
ATOM	3547	CE2	TYR		165	58.167	49.866	72.780	1.00 32.37
ATOM	3548	CD2	TYR		165	58.082	48.525	73.091	1.00 29.59
ATOM	3549	C	TYR		165	56.812	44.448	74.759	1.00 28.65
			TYR		165	57.094	43.855	75.793	1.00 27.24
ATOM	3550	0						73.562	1.00 27.24
ATOM	3551	N	TYR		166	56.752	43.893		
MOTA	3552	CA	TYR		166	57.169	42.527	73.276	1.00 23.90
ATOM	3553	CB	TYR		166	55.962	41.650	73.008	1.00 20.88
ATOM	3554	CG	TYR	В	166	54.973	41.508	74.140	1.00 22.61
MOTA	3555	CD1	TYR	В	166	55.113	40.482	75.076	1.00 21.82
ATOM	3556	CE1	TYR	В	166	54.199	40.362	76.101	1.00 17.08
ATOM	3557	CZ	TYR	В	166	53.148	41.235	76.224	1.00 19.26
ATOM	3558	ОН	TYR	В	166	52.255	41.100	77.248	1.00 19.82
ATOM	3559	CE2	TYR		166	52.976	42.262	75.313	1.00 22.80
ATOM	3560	CD2	TYR		166	53.901	42.367	74.291	1.00 23.91
	3561	C	TYR		166	58.105	42.598	72.069	1.00 15.01
ATOM		0	TYR		166	57.616	42.676	70.943	1.00 23.20
ATOM	3562								1.00 23.20
MOTA	3563	N	GLY		167	59.399	42.596	72.328	
ATOM	3564	CA	GLY		167	60.399	42.819	71.301	1.00 30.99
MOTA	3565	С	GLY		167	60.278	44.237	70.754	1.00 32.92
MOTA	3566	0	GLY		167	60.252	45.223	71.498	1.00 31.28
ATOM	3567	N	ASP	В	168	60.195	44.348	69.432	1.00 24.47
MOTA	3568	CA	ASP	В	168	60.036	45.656	68.810	1.00 30.37
MOTA	3569	CB	ASP	В	168	60.661	45.694	67.414	1.00 35.10
ATOM	3570	CG	ASP	В	168	62.142	45.378	67.460	1.00 42.09
ATOM	3571	OD1	ASP	В	168	62.723	45.550	68.550	1.00 47.47
ATOM	3572		ASP		168	62.684	44.966	66.414	1.00 47.31
ATOM	3573	C	ASP		168	58.570	46.022	68.666	1.00 29.02
ATOM	3574	0	ASP			58.240	46.976	67.967	1.00 37.58
ATOM	3575	N	LEU				45.259	69.296	1.00 24.88
	3576		LEU			56.265	45.583	69.132	1.00 19.15
ATOM		CA				55.436	44.377	68.702	1.00 29.37
ATOM	3577	CB	LEU						1.00 23.57
MOTA	3578	CG	LEU			55.736	43.693	67.375	
MOTA	3579		LEU			55.206	42.262	67.367	1.00 22.11
ATOM	3580		LEU			55.145	44.492	66.220	1.00 40.24
MOTA	3581	С	LEU			55.705	46.081	70.461	1.00 18.08
ATOM	3582	0	LEU	В	169	56.260	45.744	71.498	1.00 30.36
ATOM	3583	N	ILE	В	170	54.625	46.828	70.374	1.00 23.85
MOTA	3584	CA	ILE			53.900	47.229	71.571	1.00 29.93
ATOM	3585	СВ	ILE			53.947	48.744	71.817	1.00 31.71
ATOM	3586		ILE			53.316	49.167	73.144	1.00 36.34
ATOM	3587		ILE			54.269	49.867	74.084	1.00 48.77
011	5551			_	-·-				

MOTA	3588	CG2	ILE	₿	170	53.304	49.482	70.662	1.00 37.89
ATOM	3589	С	ILE	В	170	52.460	46.757	71.433	1.00 30.07
ATOM	3590	0	TLE	R	170	51.841	46.853	70.374	1.00 29.12
					171	51.955	46.223	72.535	1.00 25.46
ATOM	3591	N							
ATOM	3592	CA	LEU		171	50.604	45.701	72.589	1.00 21.46
MOTA	3593	CB	LEU		171	50.612	44.200	72.895	1.00 29.41
MOTA	3594	CG	LEU		171	50.226	43.287	71.727	1.00 39.01
ATOM	3595	CD1	LEU	В	171	51.391	43.140	70.758	1.00 43.97
ATOM	3596	CD2	LEU	В	171	49.774	41.940	72.246	1.00 47.22
ATOM	3597	С	LEU		171	49.805	46.423	73.668	1.00 25.20
ATOM	3598	Ö	LEU			50.337	46.746	74.734	1.00 26.76
ATOM	3599	N	GLN			48.536	46.660	73.377	1.00 22.79
							47.237	74.358	1.00 37.17
ATOM	3600	CA	GLN		172	47.630			
ATOM	3601	CB	GLN		172	47.376	48.734	74.126	
ATOM	3602	CG	GLN		172	46.844	49.424	75.378	1.00 50.87
ATOM	3603	CD			172	46.684	50.924	75.272	1.00 51.56
MOTA	3604	OE1	GLN	В	172	46.258	51.440	74.240	1.00 46.34
MOTA	3605	NE2	GLN	В	172	47.013	51.651	76.339	1.00 33.78
ATOM	3606	С	GLN	В	172	46.300	46.486	74.342	1.00 38.38
ATOM	3607	0	GLN	В	172	45.611	46.417	73.322	1.00 24.25
ATOM	3608	N	MET			45.967	45.927	75.511	1.00 30.63
ATOM	3609	CA			173	44.650	45.325	75.643	1.00 25.80
		CB			173	44.534	44.392	76.853	1.00 20.42
ATOM	3610						43.557	76.754	1.00 26.50
ATOM	3611	CG			173	43.257			
MOTA	3612	SD			173	43.176	42.237	77.997	1.00 36.50
ATOM	3613	CE	MET			42.811	43.236	79.442	1.00 44.10
ATOM	3614	С	MET	В	173	43.598	46.437	75.729	1.00 38.57
MOTA	3615	0	MET	В	173	43.630	47.252	76.654	1.00 49.37
ATOM	3616	N	LEU	В	174	42.707	46.443	74.754	1.00 32.34
ATOM	3617	CA	LEU	В	174	41.663	47.434	74.587	1.00 32.40
ATOM	3618	СВ	LEU	В	174	41.355	47.609	73.093	1.00 27.63
ATOM	3619	CG	LEU			41.749	48.955	72.490	1.00 42.29
MOTA	3620	CD1				42.587	48.766	71.239	1.00 52.03
MOTA	3621	CD2				40.490	49.769	72.215	1.00 46.08
	3622	C	LEU			40.384	47.037	75.305	1.00 41.65
ATOM			LEU			39.616	47.862	75.795	1.00 43.69
ATOM	3623	0					45.721	75.328	1.00 43.03
ATOM	3624	N	SER			40.165			
MOTA	3625	CA	SER			38.911	45.204	75.845	1.00 21.60
MOTA	3626	CB	SER			37.807	45.343	74.801	1.00 21.97
MOTA	3627	OG	SER			37.672	44.133		1.00 61.12
ATOM	3628	С	SER	В	175	39.059	43.732	76.238	1.00 31.76
ATOM	3629	0	SER	В	175	39.831	43.018	75.598	1.00 21.28
ATOM	3630	N	GLU	В	176	38.305	43.370	77.266	1.00 32.04
MOTA	3631	CA	GLU			38.286	42.031	77.838	1.00 33.85
ATOM	3632	СВ	GLU			39.330	41.927	78.969	1.00 27.59
ATOM	3633	CG			176	39.308	40.570	79.654	1.00 29.03
					176	40.283	40.373	80.782	1.00 40.65
ATOM	3634	CD							1.00 40.05
ATOM	3635	OE1				39.972	40.727	81.940	
MOTA	3636	OE2				41.389	39.838	80.534	1.00 40.12
MOTA	3637	С			176	36.889	41.675	78.328	1.00 39.65
MOTA	3638	0	GLU			36.400	42.226	79.318	1.00 44.09
ATOM	3639	N	SER	В	177	36.195	40.757	77.654	1.00 38.39

MOTA	3640	CA	SER	В	177	34.858	40.361	78.111	1.00 40.70
ATOM	3641	CB	SER	В	177	33.787	40.649	77.069	1.00 44.75
ATOM	3642	OG	SER			33.979	39.939	75.863	1.00 61.24
	3643	C	SER			34.856	38.884	78.518	1.00 38.46
MOTA									1.00 25.34
ATOM	3644	0	SER		177	35.006	37.984	77.695	
ATOM	3645	N	VAL			34.692	38.696	79.815	1.00 35.33
MOTA	3646	CA	VAL	В	178	34.780	37.440	80.534	1.00 44.36
ATOM	3647	CB	VAL	В	178	35.355	37.668	81.947	1.00 47.13
ATOM	3648	CG1	VAL	В	178	35.862	36.376	82.570	1.00 47.45
ATOM	3649	CG2	VAL			36.477	38.698	81.898	1.00 51.70
ATOM	3650	C	VAL			33.419	36.763	80.621	1.00 45.86
	3651	0	VAL			32.512	37.204	81.327	1.00 51.44
ATOM						33.283	35.674	79.872	1.00 37.27
MOTA	3652	N	LEU		179				
MOTA	3653	CA	LEU		179	32.036	34.908	79.851	1.00 34.97
ATOM	3654	CB	LEU			31.628	34.661	78.400	1.00 37.51
MOTA	3655	CG	LEU			30.834	35.785	77.730	1.00 43.44
MOTA	3656	CD1	LEU	В	179	31.470	37.140	77.989	1.00 54.18
MOTA	3657	CD2	LEU	В	179	30.704	35.528	76.237	1.00 54.36
ATOM	3658	С	LEU	В	179	32.193	33.620	80.645	1.00 34.28
ATOM	3659	0	LEU		179	33.309	33.220	81.010	1.00 36.89
ATOM	3660	N	PRO		180	31.101	32.937	80.970	1.00 45.49
ATOM	3661	CA	PRO		180	31.209	31.705	81.756	1.00 42.82
			PRO		180	29.774	31.148	81.733	1.00 47.75
ATOM	3662	CB					32.376	81.617	1.00 47.73
ATOM	3663	CG	PRO		180	28.932			
ATOM	3664	CD	PRO		180	29.695	33.258	80.665	1.00 53.24
ATOM	3665	С	PRO		180	32.153	30.666	81.176	1.00 31.68
ATOM	3666	0	PRO	В	180	32.821	29.985	81.963	1.00 42.99
MOTA	3667	N	GLU	В	181	32.242	30.482	79.858	1.00 28.10
ATOM	3668	CA	GLU	В	181	33.166	29.435	79.396	1.00 30.70
ATOM	3669	СВ	GLU	В	181	32.420	28.305	78.697	1.00 24.19
ATOM	3670	CG	GLU		181	31.130	27.923	79.409	1.00 35.82
ATOM	3671	CD	GLU		181	30.054	27.533	78.413	1.00 40.31
ATOM	3672	OE1			181	29.358	28.440	77.912	1.00 49.12
	3673	OE2			181	29.924	26.323	78.142	1.00 45.80
MOTA							29.976	78.447	1.00 33.02
ATOM	3674	C	GLU		181	34.229		78.043	1.00 33.02
ATOM	3675	0	GLU		181	35.127	29.240		
MOTA	3676	N	TRP		182	34.139	31.254	78.085	1.00 26.28
MOTA	3677	CA		В	182	35.215	31.807	77.263	1.00 25.54
MOTA	3678	CB	TRP		182	35.049	31.542	75.780	1.00 25.17
ATOM	3679	CG	TRP	В	182	33.799	31.961	75.090	1.00 23.98
ATOM	3680	CD1	TRP	В	182	33.495	33.162	74.507	1.00 27.11
ATOM	3681		TRP			32.228	33.126	73.975	1.00 26.38
ATOM	3682		TRP		182	31.689	31.888	74.210	1.00 29.12
ATOM	3683		TRP			32.649	31.127	74.905	1.00 25.63
			TRP		182	32.372	29.806	75.280	1.00 26.46
ATOM	3684					31.130	29.299	74.938	1.00 20.40
ATOM	3685		TRP		182				
ATOM	3686		TRP		182	30.191	30.079	74.244	1.00 33.39
MOTA	3687	CZ2				30.441	31.371	73.869	1.00 31.20
MOTA	3688	С	TRP			35.337	33.308	77.529	1.00 27.72
MOTA	3689	0	TRP	В	182	34.418	33.935	78.055	1.00 30.24
ATOM	3690	N	THR	В	183	36.493	33.818	77.150	1.00 24.75
MOTA	3691	CA	THR	В	183	36.809	35.234	77.261	1.00 29.67

ATOM	3692	CB	THR	В	183	37.897	35.481	78.320	1.00 36.72
MOTA	3693	OG1	THR	В	183	37.419	35.055	79.606	1.00 30.73
ATOM	3694	CG2	THR		183	38.218	36.961	78.455	1.00 25.96
ATOM	3695	C	THR		183	37.263	35.756	75.903	1.00 23.78
					183	38.157	35.191	75.276	1.00 16.05
MOTA	3696	0					-		
ATOM	3697	N	ILE		184	36.649	36.838	75.455	1.00 21.97
ATOM	3698	CA	ILE		184	37.110	37.497	74.227	1.00 26.63
MOTA	3699	CB	ILE		184	35.918	37.735	73.288	1.00 30.23
ATOM	3700	CG1	ILE	В	184	35.305	36.415	72.797	1.00 29.99
ATOM	3701	CD1	ILE	В	184	33.881	36.539	72.305	1.00 36.01
MOTA	3702	CG2	ILE	В	184	36.293	38.648	72.133	1.00 24.86
ATOM	3703	С	ILE	В	184	37.843	38.782	74.573	1.00 26.33
ATOM	3704	0	ILE		184	37.296	39.625	75.285	1.00 27.53
ATOM	3705	N	ARG		185	39.072	38.936	74.095	1.00 21.56
ATOM	3706	CA	ARG		185	39.876	40.127	74.341	1.00 21.72
					185	41.151	39.785	75.111	1.00 21.72
ATOM	3707	CB	ARG						
MOTA	3708	CG			185	40.884	39.061	76.431	1.00 20.33
ATOM	3709	CD	ARG			42.207	38.540	76.980	1.00 31.19
ATOM	3710	NE			185	42.119	38.235	78.404	1.00 29.95
MOTA	3711	CZ	ARG	В	185	41.905	37.012	78.867	1.00 30.90
ATOM	3712	NH1	ARG		185	41.770	36.026	77.993	1.00 28.15
ATOM	3713	NH2	ARG	В	185	41.831	36.768	80.165	1.00 26.93
ATOM	3714	С	ARG	В	185	40.246	40.824	73.038	1.00 24.49
ATOM	3715	0	ARG	В	185	40.342	40.197	71.990	1.00 22.11
ATOM	3716	N	GLU		186	40.440	42.137	73.098	1.00 23.85
ATOM	3717	CA	GLU		186	40.858	42.852	71.895	1.00 23.99
ATOM	3718	СВ	GLU		186	39.831	43.906	71.499	1.00 32.77
ATOM	3719	CG	GLU		186	38.961	43.556	70.303	1.00 49.41
ATOM	3720	CD	GLU		186	38.376	44.815	69.677	1.00 57.85
ATOM	3721	OE1	GLU		186	38.831	45.212	68.585	1.00 58.65
	3722		GLU		186	37.465	45.405	70.295	1.00 46.66
ATOM			GLU					72.141	1.00 40.00
ATOM	3723	C			186	42.215	43.486		
ATOM	3724	0	GLU		186	42.426	44.138	73.165	1.00 28.24
MOTA	3725	N	PHE		187	43.151	43.295	71.214	1.00 19.91
MOTA	3726	CA	PHE		187	44.452	43.922	71.357	1.00 17.69
MOTA	3727	CB			187	45.562	42.872	71.461	1.00 24.10
MOTA	3728	CG			187	45.394	41.859	72.581	1.00 26.73
MOTA	3729	CD1	PHE		187	45.114	40.535	72.294	1.00 32.91
MOTA	3730	CE1	PHE	В	187	44.967	39.593	73.304	1.00 27.10
MOTA	3731	CZ	PHE	В	187	45.089	39.989	74.620	1.00 21.98
MOTA	3732	CE2	PHE	В	187	45.369	41.308	74.928	1.00 27.08
MOTA	3733		PHE			45.539	42.233	73.907	1.00 28.39
MOTA	3734	С	PHE			44.809	44.842	70.189	1.00 27.70
ATOM	3735	ō	PHE			44.560	44.562	69.019	1.00 24.34
ATOM	3736	N	LYS			45.446	45.953	70.538	1.00 29.92
ATOM	3737	CA	LYS		188	46.049	46.816	69.521	1.00 36.57
	3738	CB	LYS		188	45.678	48.276	69.774	1.00 30.37
ATOM								69.641	1.00 42.73
ATOM	3739	CG	LYS			46.817	49.269		
ATOM	3740	CD	LYS			46.349	50.713	69.711	1.00 58.55
ATOM	3741	CE	LYS		188	46.124	51.181	71.139	1.00 59.40
MOTA	3742	ΝZ	LYS			47.298	50.947	72.026	1.00 34.15
ATOM	3743	С	LYS	В	188	47.553	46.584	69.518	1.00 30.49

MOTA	3744	0	LYS	В	188	48.240	46.624	70.539	1.00 22.92
MOTA	3745	N	ILE	В	189	48.136	46.304	68.350	1.00 24.79
ATOM	3746	CA	ILE	В	189	49.581	46.144	68.310	1.00 26.54
ATOM	3747	СВ	ILE		189	49.992	44.714	67.933	1.00 29.28
ATOM	3748	CG1	ILE		189	51.461	44.597	67.523	1.00 33.98
ATOM	3749	CD1	ILE		189	51.848	43.205	67.067	1.00 52.63
ATOM	3750	CG2	ILE		189	49.079	44.160	66.853	1.00 36.95
ATOM	3751	C		В	189	50.175	47.152	67.321	1.00 26.97
	3752	0	ILE		189	49.539	47.447	66.312	1.00 25.84
ATOM	3753	N		В	190	51.344	47.657	67.659	1.00 32.86
ATOM						52.103	48.607	66.874	1.00 32.00
ATOM	3754	CA		В	190			67.577	1.00 35.55
MOTA	3755	CB	CYS		190	52.243	49.961		1.00 33.33
MOTA	3756	SG	CYS		190	50.732	50.549	68.369	
ATOM	3757	С		В	190	53.492	48.052	66.576	1.00 32.84
ATOM	3758	0		В	190	54.208	47.629	67.478	1.00 29.87
MOTA	3759	N	GLY		191	53.858	48.065	65.295	1.00 35.69
MOTA	3760	CA	GLY			55.151	47.519	64.910	1.00 46.05
MOTA	3761	С	GLY	В	191	55.917	48.502	64.045	1.00 51.49
ATOM	3762	0	GLY	В	191	55.540	49.677	64.025	1.00 57.04
ATOM	3763	N	GLU	В	192	56.944	48.025	63.353	1.00 53.82
ATOM	3764	CA	GLU	В	192	57.794	48.872	62.522	1.00 71.96
ATOM	3765	CB	GLU	В	192	58.741	48.013	61.681	1.00 79.49
MOTA	3766	CG	GLU	В	192	60.088	48.655	61.399	1.00 83.42
ATOM	3767	CD	GLU	В	192	61.126	48.395	62.472	1.00 90.04
ATOM	3768	OE1	GLU	В	192	60.759	48.211	63.654	1.00 98.44
ATOM	3769	OE2	GLU		192	62.329	48.371	62.130	1.00 89.90
ATOM	3770	С	GLU		192	56.969	49.797	61.622	1.00 79.73
MOTA	3771	0	GLU		192	57.359	50.943	61.396	1.00 81.84
ATOM	3772	N	GLU		193	55.861	49.274	61.154	1.00 88.39
ATOM	3773	CA	GLU		193	54.815	49.806	60.317	1.00 96.64
ATOM	3774	CB	GLU		193	54.932	51.307	60.055	1.00 98.26
ATOM	3775	CG	GLU		193	53.693	51.905	59.401	1.00 98.54
ATOM	3776	CD	GLU		193	53.567	53.404	59.562	1.00 97.01
ATOM	3777	OE1			193	52.688	53.853	60.336	1.00 83.43
ATOM	3778	OE2			193	54.330	54.154	58.911	1.00 98.66
ATOM	3779	C	GLU	-	193	54.823	49.030	58.991	1.00102.76
	3780	0	GLU		193	54.656	49.612	57.926	1.00116.30
ATOM	3781	N	GLN		194	55.029	47.726	59.137	1.00102.86
ATOM			GLN			55.067	46.786	58.022	1.00102.00
MOTA	3782	CA				55.150	45.351	58.544	1.00 94.78
ATOM	3783	CB	GLN					58.944	1.00 90.58
ATOM	3784	CG	GLN			56.548	44.913		
ATOM	3785	CD	GLN			57.076	45.627	60.173	1.00 89.36
ATOM	3786		GLN			56.393	46.444	60.792	1.00 75.86
MOTA	3787		GLN			58.314	45.317	60.547	1.00 97.42
ATOM	3788	C	GLN		194	53.848	46.979	57.135	1.00100.06
ATOM	3789	0	GLN		194	53.618	48.060	56.588	1.00106.59
ATOM	3790	N	LEU		195	53.019	45.946	56.971	1.00 96.75
ATOM	3791	CA	LEU		195	51.800	46.199	56.191	1.00 92.05
ATOM	3792	CB	LEU		195	51.420	44.991	55.342	1.00 85.63
ATOM	3793	CG	LEU		195	51.792	45.085	53.856	1.00 78.28
ATOM	3794		LEU		195	53.216	44.593	53.634	1.00 84.54
ATOM	3795	CD2	LEU	В	195	50.811	44.310	52.989	1.00 43.11

ATOM	3796	С	LEU	В	195	50.684	46.623	57.141	1.00 93.25
ATOM	3797	0	LEU	В	195	49.499	46.559	56.823	1.00106.23
ATOM	3798	N	ASP	В	196	51.100	47.071	58.323	1.00 88.54
ATOM	3799	CA	ASP	В	196	50.208	47.654	59.311	1.00 85.36
MOTA	3800	СВ	ASP		196	49.937	46.706	60.472	1.00 77.13
ATOM	3801	CG	ASP		196	50.263	45.256	60.196	1.00 69.71
ATOM	3802		ASP		196	51.435	44.924	59.922	1.00 56.81
ATOM	3803		ASP		196	49.318	44.442	60.267	1.00 49.34
	3804	C	ASP		196	50.795	48.962	59.853	1.00 86.61
ATOM	3805				196	52.000	49.194	59.771	1.00 72.64
MOTA		0	ASP					60.398	1.00 72.04
ATOM	3806	N	ALA		197	49.924	49.797		1.00 87.67
MOTA	3807	CA	ALA		197	50.287	51.051	61.042	
ATOM	3808	CB	ALA		197	50.135	52.222	60.096	1.00 83.48
ATOM	3809	С	ALA		197	49.426	51.223	62.302	1.00 94.67
MOTA	3810	0	ALA		197	49.317	52.318	62.843	1.00100.04
ATOM	3811	N		В	198	48.864	50.096	62.692	1.00 93.88
MOTA	3812	CA	HIS	В	198	47.955	49.838	63.785	1.00 88.36
ATOM	3813	CB	HIS	В	198	47.173	51.099	64.161	1.00 92.99
MOTA	3814	CG	HIS	В	198	45.965	50.823	64.998	1.00104.14
ATOM	3815	ND1	HIS	В	198	46.045	50.478	66.329	1.00108.50
ATOM	3816	CE1	HIS	В	198	44.830	50.292	66.813	1.00111.40
ATOM	3817	NE2	HIS	В	198	43.960	50.506	65.840	1.00112.45
ATOM	3818	CD2	HIS	В	198	44.647	50.839	64.696	1.00109.03
MOTA	3819	С	HIS		198	46.988	48.711	63.416	1.00 81.60
ATOM	3820	0	HIS		198	46.100	48.902	62.581	1.00 85.74
ATOM	3821	N	ARG		199	47.151	47.537	64.020	1.00 68.93
ATOM	3822	CA	ARG		199	46.278	46.398	63.754	1.00 51.46
ATOM	3823	СВ	ARG		199	47.089	45.192	63.265	1.00 49.03
ATOM	3824	CG	ARG		199	46.204	44.080	62.716	1.00 46.46
ATOM	3825	CD	ARG		199	46.953	42.775	62.585	1.00 51.43
MOTA	3826	NE	ARG		199	48.202	42.873	61.850	1.00 58.26
ATOM	3827	CZ	ARG		199	49.185	41.980	61.891	1.00 57.04
	3828		ARG		199	49.068	40.896	62.649	1.00 28.91
ATOM					199	50.288	42.168	61.174	1.00 39.20
ATOM	3829		ARG				46.004	64.987	1.00 33.20
ATOM	3830	C	ARG		199	45.464	46.200	66.112	1.00 33.01
ATOM	3831	0	ARG		199	45.928		64.781	1.00 23.03
ATOM	3832	N	LEU		200	44.268	45.459		1.00 24.03
ATOM	3833	CA		В	200	43.422	45.004	65.880	1.00 27.00
ATOM	3834	CB	LEU			42.010	45.570	65.783	
ATOM	3835	CG	LEU				46.288	67.047	1.00 42.11
MOTA	3836		LEU			41.605	45.366	68.249	1.00 45.77
MOTA	3837		LEU			42.333	47.553	67.292	1.00 51.38
MOTA	3838	С	LEU			43.353	43.477	65.913	1.00 30.00
MOTA	3839	0	LEU			42.871	42.868	64.959	1.00 32.82
MOTA	3840	N	ILE	В	201	43.834	42.882	67.003	1.00 28.87
ATOM	3841	CA	ILE	В	201	43.821	41.425	67.118	1.00 24.18
MOTA	3842	CB	ILE	В	201	45.174	40.900	67.623	1.00 24.29
ATOM	3843	CG1	ILE	В	201	46.350	41.222	66.696	1.00 28.49
ATOM	3844		ILE			45.941	41.124	65.247	1.00 39.78
ATOM	3845		ILE			45.105	39.401	67.873	1.00 25.71
ATOM	3846	C	ILE			42.717	40.972	68.059	1.00 22.16
MOTA	3847	0	ILE			42.640	41.494	69.168	1.00 23.92
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ATOM 3848 N ARG B 202										
ATOM 3850 CB ARG B 202 39.585 39.119 67.693 1.00 33.06 ATOM 3851 CG ARG B 202 37.3744 40.048 67.098 1.00 66.81 ATOM 3852 CD ARG B 202 37.3744 40.048 67.098 1.00 66.81 ATOM 3853 NE ARG B 202 37.372 42.512 67.362 1.00 95.575 ATOM 3855 NH1 ARG B 202 37.372 42.512 67.362 1.00 95.51 ATOM 3855 NH1 ARG B 202 38.698 42.553 67.322 1.00 99.51 ATOM 3856 NH2 ARG B 202 36.677 31.635 67.506 1.00 92.03 ATOM 3855 NH S 8202 41.359 38.141 69.099 1.00 26.96 ATOM 3855 NH S 8202 41.355 37.319 68.410 1.00 18.58 ATOM 3856 NH2 ARG B 202 41.955 37.319 68.410 1.00 18.58 ATOM 3859 N HIS B 203 41.595 36.823 71.148 1.00 23.74 ATOM 3861 CB HIS B 203 41.595 36.233 71.148 1.00 23.74 ATOM 3861 CB HIS B 203 42.637 37.287 72.150 1.00 18.39 ATOM 3863 ND1 HIS B 203 42.935 35.618 73.999 1.00 22.68 ATOM 3866 CB HIS B 203 42.935 35.618 73.999 1.00 22.68 ATOM 3866 CB HIS B 203 44.590 34.594 73.548 1.00 22.72 ATOM 3866 CB HIS B 203 44.590 34.694 73.548 1.00 12.72 ATOM 3866 CB HIS B 203 44.590 34.694 73.548 1.00 12.72 ATOM 3866 CB HIS B 203 44.590 34.694 73.548 1.00 12.68 ATOM 3866 CB HIS B 203 44.590 34.694 73.548 1.00 12.68 ATOM 3866 CB HIS B 203 44.590 34.694 73.548 1.00 12.68 ATOM 3866 CB HIS B 203 44.590 34.694 73.548 1.00 12.68 ATOM 3866 CB HIS B 203 44.590 34.694 73.548 1.00 12.08 ATOM 3867 C HIS B 203 44.590 34.694 73.548 1.00 12.08 ATOM 3867 C HIS B 203 39.651 36.785 72.562 1.00 18.73 ATOM 3867 C PHE B 204 40.386 31.394 71.813 1.00 23.95 ATOM 3867 C PHE B 204 38.554 33.311 70.614 1.00 22.28 ATOM 3871 CB PHE B 204 38.554 33.311 70.614 1.00 22.28 ATOM 3873 CD PHE B 204 38.554 33.394 71.479 1.00 16.70 340 340 340 340 340 340 340 340 340 34	ATOM	3848	N	ARG	В	202	41.883	40.037	67.647	
ATOM 3851 CG ARG B 202 38.305 39.726 68.233 1.00 52.62 ATOM 3855 CD ARG B 202 37.344 40.048 67.098 1.00 66.81 ATOM 3855 NE ARG B 202 37.344 40.048 67.098 1.00 66.81 ATOM 3855 NE ARG B 202 37.372 42.512 67.362 1.00 85.03 ATOM 3855 NH1 ARG B 202 38.698 42.553 67.322 1.00 88.503 ATOM 3856 NH2 ARG B 202 38.697 43.635 67.506 1.00 92.03 ATOM 3855 C ARG B 202 41.355 37.319 68.410 1.00 12.03 ATOM 3855 N HIS B 202 41.955 37.319 68.410 1.00 12.03 ATOM 3855 N HIS B 203 41.595 38.141 69.099 1.00 26.96 ATOM 3858 O ARG B 202 41.955 37.319 68.410 1.00 12.33 ATOM 3850 CA HIS B 203 41.595 36.823 71.148 1.00 23.47 ATOM 3861 CB HIS B 203 42.637 37.287 72.150 1.00 10.00 18.33 ATOM 3862 CG HIS B 203 42.637 37.287 72.150 1.00 18.33 ATOM 3863 ND1 HIS B 203 42.935 35.618 73.999 1.00 20.01 ATOM 3864 CD1 HIS B 203 44.809 34.694 73.548 1.00 18.58 ATOM 3866 CD2 HIS B 203 44.580 35.624 72.553 1.00 22.68 ATOM 3866 CD2 HIS B 203 44.580 35.624 72.553 1.00 22.68 ATOM 3867 C HIS B 203 44.580 35.624 72.553 1.00 22.67 ATOM 3868 O HIS B 203 44.580 35.624 72.553 1.00 22.68 ATOM 3867 C HIS B 203 40.399 36.148 71.813 1.00 23.95 ATOM 3868 O HIS B 203 40.399 36.148 71.813 1.00 23.95 ATOM 3867 C HIS B 203 40.399 36.148 71.813 1.00 23.95 ATOM 3868 O HIS B 203 40.399 36.148 71.813 1.00 23.95 ATOM 3868 O HIS B 203 40.289 36.678 71.479 1.00 18.73 ATOM 3867 C PHE B 204 38.062 37.149 1.00 16.70 ATOM 3871 CB PHE B 204 38.626 34.329 69.604 1.00 24.28 ATOM 3873 CD PHE B 204 38.616 33.994 71.840 1.00 16.70 ATOM 3873 CD PHE B 204 38.616 33.994 71.840 1.00 16.70 ATOM 3876 CE2 PHE B 204 38.616 34.813 68.622 1.00 22.02 ATOM 3877 CD2 PHE B 204 37.03 36.205 67.847 1.00 19.30 ATOM 3878 C PHE B 204 37.03 36.205 67.847 1.00 19.30 ATOM 3881 CA HIS B 205 40.000 32.212 75.077 1.00 18.30 ATOM 3881 CA HIS B 205 40.000 32.212 75.077 1.00 18.30 ATOM 3881 CA HIS B 205 40.620 33.068 76.193 1.00 20.20 ATOM 3881 CA HIS B 205 40.620 37.905 77.537 1.00 20.07 ATOM 3882 CB HIS B 205 40.620 37.905 77.537 1.00 20.07 ATOM 3888 C HIS B 205 38.102 37.905 77.537 1.00 20.07 ATOM 3889 CB HIS B	MOTA	3849	CA	ARG	В	202	40.849	39.447	68.478	
ATOM 3851 CG ARG B 202 38,30 39,726 68,233 1,00 52,62 ATOM 3853 NE ARG B 202 37,344 40,048 67,069 1,00 66,81 ATOM 3855 NE ARG B 202 36,728 41,358 67,362 1,00 85,03 ATOM 3855 NH2 ARG B 202 38,698 42,553 67,322 1,00 98,51 ATOM 3856 NH2 ARG B 202 36,677 43,635 67,502 1,00 20,03 ATOM 3858 O ARG B 202 41,959 38,141 69,099 1,00 28,22 ATOM 3861 CB HIS B 203 41,159 37,319 68,410 1,00 23,47 ATOM 3863 NDI HIS B 203 42,637 37,287 72,150 1,00 20,01 ATOM 3865 NE2 HIS B 203 43,797	ATOM	3850	CB	ARG	В	202	39.585	39.119	67.693	1.00 33.06
ATOM 3852 CD ARG B 202 37.344 40.048 67.098 1.00 66.81 ATOM 3854 CZ ARG B 202 36.728 41.358 67.260 1.00 75.81 ATOM 3854 CZ ARG B 202 37.372 42.512 67.362 1.00 85.03 ATOM 3855 NH1 ARG B 202 38.698 42.553 67.322 1.00 98.51 ATOM 3856 NH2 ARG B 202 41.359 38.141 69.099 1.00 26.96 ATOM 3857 C ARG B 202 41.359 38.141 69.099 1.00 26.96 ATOM 3858 O ARG B 202 41.955 37.319 68.410 1.00 18.58 ATOM 3859 N HIS B 203 41.595 37.319 68.410 1.00 18.58 ATOM 3850 CA HIS B 203 41.595 36.823 71.148 1.00 23.47 ATOM 3861 CB HIS B 203 42.637 37.287 72.850 1.00 18.39 ATOM 3864 CEI HIS B 203 42.637 37.287 72.850 1.00 18.39 ATOM 3864 CEI HIS B 203 42.935 35.618 73.999 1.00 22.68 ATOM 3866 CD HIS B 203 44.595 36.618 73.999 1.00 22.68 ATOM 3866 CD HIS B 203 44.580 35.618 73.599 1.00 22.68 ATOM 3866 CD HIS B 203 44.580 35.624 72.553 1.00 22.68 ATOM 3866 CD HIS B 203 44.580 35.624 72.553 1.00 22.68 ATOM 3866 CD HIS B 203 44.580 35.624 72.553 1.00 22.68 ATOM 3866 CD HIS B 203 44.580 35.624 72.553 1.00 22.68 ATOM 3867 C HIS B 203 44.580 35.624 72.553 1.00 22.68 ATOM 3867 C HIS B 203 44.580 35.624 72.553 1.00 22.68 ATOM 3867 C HIS B 203 40.398 36.148 71.813 1.00 23.95 ATOM 3867 C PHE B 204 38.651 36.785 72.552 1.00 18.73 ATOM 3867 C PHE B 204 38.876 34.876 71.479 1.00 17.03 ATOM 3871 CB PHE B 204 38.876 34.876 71.479 1.00 17.03 ATOM 3873 CD1 PHE B 204 38.876 34.813 31. 70.614 1.00 22.28 ATOM 3873 CD1 PHE B 204 38.876 34.813 37.775 1.00 18.80 ATOM 3873 CD1 PHE B 204 38.876 34.813 37.775 1.00 18.80 ATOM 3873 CD2 PHE B 204 38.876 34.813 37.775 1.00 18.80 ATOM 3873 CD2 PHE B 204 38.876 34.813 37.775 1.00 18.80 ATOM 3873 CD2 PHE B 204 38.876 34.813 37.775 1.00 18.80 ATOM 3870 CD2 PHE B 204 38.876 34.813 37.775 1.00 18.80 ATOM 3870 CD2 PHE B 204 38.876 34.813 37.775 1.00 18.80 ATOM 3870 CD2 PHE B 204 38.876 34.813 37.775 1.00 18.80 ATOM 3870 CD2 PHE B 204 38.876 34.813 37.775 1.00 18.80 ATOM 3880 N HIS B 205 34.468 30.988 74.688 1.00 19.878 ATOM 3881 CD2 PHE B 204 38.876 34.813 37.777 1.00 18.30 ATOM 3880 CD2 PHE B 204 38.876 34.876 37.875 1.00 18.80			CG	ARG	В	202	38.305	39.726	68.233	1.00 52.62
ATOM 3853 NE ARG B 202 36.728 41.358 67.260 1.00 75.75 ATOM 3854 CZ ARG B 202 37.372 42.512 67.362 1.00 85.75 ATOM 3855 NH1 ARG B 202 38.698 42.553 67.322 1.00 98.51 ATOM 3856 NH2 ARG B 202 36.677 43.635 67.506 1.00 98.51 ATOM 3857 C ARG B 202 41.955 37.319 68.410 1.00 18.58 ATOM 3858 O ARG B 202 41.955 37.319 68.410 1.00 18.58 ATOM 3858 O ARG B 202 41.955 37.319 68.410 1.00 18.58 ATOM 3859 N HIS B 203 41.120 37.977 70.384 1.00 28.22 ATOM 3860 CA HIS B 203 42.637 37.287 70.184 1.00 23.47 ATOM 3861 CB HIS B 203 42.637 37.287 72.150 1.00 18.39 ATOM 3862 CG HIS B 203 42.935 35.618 73.999 1.00 22.68 ATOM 3864 CEI HIS B 203 44.893 35.618 73.999 1.00 22.68 ATOM 3865 NE2 HIS B 203 44.893 34.707 74.400 1.00 22.72 ATOM 3866 CD2 HIS B 203 44.890 34.707 74.400 1.00 22.72 ATOM 3866 CD2 HIS B 203 44.890 34.694 73.548 1.00 18.58 ATOM 3867 C HIS B 203 44.890 34.694 73.548 1.00 18.58 ATOM 3868 O HIS B 203 39.651 36.785 72.562 1.00 22.68 ATOM 3869 N PHE B 204 40.248 34.876 71.479 1.00 17.03 ATOM 3869 N PHE B 204 40.248 34.876 71.479 1.00 17.03 ATOM 3870 CA PHE B 204 38.534 33.311 70.614 1.00 22.23 ATOM 3871 CB PHE B 204 38.534 33.317 70.614 1.00 22.33 ATOM 3873 CDI PHE B 204 38.876 34.329 69.604 1.00 22.40 ATOM 3873 CDI PHE B 204 38.876 34.329 69.604 1.00 22.40 ATOM 3873 CDI PHE B 204 38.876 34.329 69.604 1.00 22.33 ATOM 3873 CDI PHE B 204 38.876 34.329 69.604 1.00 22.33 ATOM 3873 CDI PHE B 204 38.876 34.329 69.604 1.00 22.33 ATOM 3878 CD PHE B 204 37.103 36.205 67.887 1.00 18.80 ATOM 3879 CD PHE B 204 37.103 36.205 67.887 1.00 18.30 ATOM 3879 CD PHE B 204 37.103 36.205 67.887 1.00 18.80 ATOM 3879 CD PHE B 204 37.103 36.205 67.887 1.00 18.80 ATOM 3880 N HIS B 205 39.416 33.937 7.287 1.00 26.02 ATOM 3881 CA HIS B 205 40.600 32.212 75.077 1.00 18.30 ATOM 3882 CB PHE B 204 37.103 36.205 67.887 1.00 18.80 ATOM 3883 CG TYR B 206 37.855 27.895 74.886 1.00 22.02 ATOM 3880 CEI HIS B 205 40.600 32.212 75.077 1.00 18.30 ATOM 3881 CA HIS B 205 40.600 32.212 75.077 1.00 18.80 ATOM 3889 CD TYR B 206 36.757 26.923 75.299 1.00 26.61 ATOM 3890								40.048		1.00 66.81
ATOM 3854 CZ ARG B 202 37.372 42.512 67.362 1.00 85.03 ATOM 3855 NH1 ARG B 202 38.698 42.553 67.322 1.00 98.51 ATOM 3856 NH2 ARG B 202 38.697 43.635 67.322 1.00 98.51 ATOM 3857 C ARG B 202 41.359 38.141 69.099 1.00 26.96 ATOM 3858 O ARG B 202 41.955 37.319 68.410 1.00 18.58 ATOM 3859 N HIS B 203 41.120 37.977 70.384 1.00 28.22 ATOM 3860 CA HIS B 203 41.595 36.823 71.148 1.00 23.47 ATOM 3861 CB HIS B 203 41.595 36.823 71.148 1.00 23.47 ATOM 3862 CG HIS B 203 42.637 37.287 72.150 1.00 18.39 ATOM 3864 CEI HIS B 203 42.935 35.618 73.999 1.00 22.68 ATOM 3865 NEZ HIS B 203 44.580 35.624 72.563 1.00 22.72 ATOM 3866 CD2 HIS B 203 44.580 35.624 72.563 1.00 22.68 ATOM 3867 C HIS B 203 44.580 35.624 72.563 1.00 22.68 ATOM 3868 O HIS B 203 39.651 36.785 72.552 1.00 18.59 ATOM 3869 N PHE B 204 40.248 34.876 71.813 1.00 23.27 ATOM 3867 C PHE B 204 38.534 33.311 70.614 1.00 12.28 ATOM 3870 CA PHE B 204 38.534 33.311 70.614 1.00 22.28 ATOM 3871 CB PHE B 204 38.534 33.311 70.614 1.00 22.28 ATOM 3872 CG PHE B 204 38.026 34.329 69.604 1.00 24.33 ATOM 3873 CDI PHE B 204 38.026 34.292 69.604 1.00 24.33 ATOM 3874 CEI PHE B 204 38.026 34.292 69.604 1.00 24.33 ATOM 3875 CZ PHE B 204 38.026 34.292 69.604 1.00 24.33 ATOM 3876 CZ PHE B 204 38.026 34.292 69.604 1.00 22.28 ATOM 3877 CD2 PHE B 204 38.026 34.292 69.604 1.00 22.28 ATOM 3878 C PHE B 204 38.026 34.292 69.604 1.00 22.20 ATOM 3879 C PHE B 204 38.026 34.329 69.604 1.00 22.00 ATOM 3870 CA PHE B 204 38.026 34.292 72.788 1.00 22.00 ATOM 3870 CA PHE B 204 38.026 34.292 72.788 1.00 22.00 ATOM 3870 CA PHE B 204 38.026 34.292 72.788 1.00 22.00 ATOM 3870 CA PHE B 204 38.026 34.292 72.788 1.00 22.00 ATOM 3870 CD PHE B 204 38.026 34.292 72.384 1.00 24.15 ATOM 3871 CB PHE B 204 38.026 34.292 72.388 1.00 22.00 ATOM 3873 CD PHE B 204 38.026 37.703 36.205 67.847 1.00 19.32 ATOM 3870 CD PHE B 204 36.716 34.768 69.694 1.00 22.02 ATOM 3870 CD PHE B 204 36.716 34.768 69.694 1.00 22.02 ATOM 3880 CD PHE B 204 36.716 34.768 69.694 1.00 20.02 ATOM 3880 CD PHE B 204 36.716 34.768 69.694 1.00 22.02 ATOM										
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ATOM 3859 N HIS B 203										
ATOM 3860 CA HIS B 203										
ATOM 3861 CB HIS B 203										
ATOM 3862 CG HIS B 203										
ATOM 3863 ND1 HIS B 203										
ATOM 3864 CE1 HIS B 203	MOTA									
ATOM 3865 NE2 HIS B 203	ATOM	3863								
ATOM 3866 CD2 HIS B 203	MOTA	3864			В		43.797			
ATOM 3867 C HIS B 203	ATOM	3865	NE2	HIS			44.809			
ATOM 3868 O HIS B 203 39.651 36.785 72.562 1.00 18.73 ATOM 3869 N PHE B 204 40.248 34.876 71.479 1.00 17.03 ATOM 3870 CA PHE B 204 39.161 33.994 71.840 1.00 16.70 ATOM 3871 CB PHE B 204 38.534 33.311 70.614 1.00 22.28 ATOM 3873 CD1 PHE B 204 38.026 34.329 69.604 1.00 22.28 ATOM 3873 CD1 PHE B 204 38.876 34.813 68.622 1.00 22.40 ATOM 3874 CE1 PHE B 204 38.876 34.813 68.622 1.00 22.40 ATOM 3875 CZ PHE B 204 37.103 36.205 67.847 1.00 19.32 ATOM 3876 CE2 PHE B 204 36.244 35.727 68.811 1.00 25.22 ATOM 3876 CD2 PHE B 204 36.716 34.768 69.694 1.00 25.22 ATOM 3877 CD2 PHE B 204 36.716 34.768 69.694 1.00 25.22 ATOM 3879 O PHE B 204 39.702 32.924 72.788 1.00 22.01 ATOM 3879 O PHE B 204 40.366 31.995 72.324 1.00 24.15 ATOM 3880 N HIS B 205 39.416 33.083 74.068 1.00 17.87 ATOM 3882 CB HIS B 205 40.620 33.068 76.193 1.00 17.58 ATOM 3883 CG HIS B 205 41.469 32.282 77.137 1.00 20.30 ATOM 3884 ND1 HIS B 205 41.954 32.812 78.310 1.00 22.02 ATOM 3886 NE2 HIS B 205 42.670 31.902 78.946 1.00 22.02 ATOM 3887 CD2 RIS B 205 42.663 30.786 76.193 1.00 17.58 ATOM 3886 CD2 HIS B 205 42.663 30.786 76.193 1.00 22.02 ATOM 3887 CD2 RIS B 205 42.663 30.786 76.193 1.00 17.58 ATOM 3886 NE2 HIS B 205 42.663 30.786 76.193 1.00 22.02 ATOM 3887 CD2 RIS B 205 42.663 30.786 76.193 1.00 22.02 ATOM 3887 CD2 RIS B 205 42.663 30.786 76.193 1.00 22.02 ATOM 3889 CD2 RIS B 205 38.958 31.270 75.658 1.00 23.56 ATOM 3889 CD2 RIS B 205 38.958 31.270 75.658 1.00 23.56 ATOM 3890 N TYR B 206 37.855 27.895 74.846 1.00 22.07 ATOM 3893 CG TYR B 206 37.855 27.895 74.846 1.00 22.07 ATOM 3893 CG TYR B 206 36.757 26.923 75.209 1.00 18.73 ATOM 3894 CD1 TYR B 206 37.855 27.895 74.846 1.00 22.08 ATOM 3895 CE1 TYR B 206 34.473 26.376 75.372 1.00 28.65 ATOM 3895 CE1 TYR B 206 34.473 26.376 75.372 1.00 28.65 ATOM 3895 CE1 TYR B 206 33.753 24.244 76.205 1.00 33.83 ATOM 3898 CE2 TYR B 206 33.753 24.244 76.205 1.00 33.83 ATOM 3898 CE2 TYR B 206 33.753 24.244 76.205 1.00 33.83	ATOM	3866	CD2	HIS	В	203	44.580	35.624	72.563	1.00 22.68
ATOM 3869 N PHE B 204 40.248 34.876 71.479 1.00 17.03 ATOM 3870 CA PHE B 204 39.161 33.994 71.840 1.00 16.70 ATOM 3871 CB PHE B 204 38.534 33.311 70.614 1.00 22.28 ATOM 3873 CD1 PHE B 204 38.026 34.329 69.604 1.00 24.33 ATOM 3873 CD1 PHE B 204 38.876 34.813 68.622 1.00 22.40 ATOM 3874 CE1 PHE B 204 38.411 35.764 67.735 1.00 18.80 ATOM 3875 CZ PHE B 204 36.244 35.727 68.811 1.00 25.22 ATOM 3876 CE2 PHE B 204 36.244 35.727 68.811 1.00 25.22 ATOM 3877 CD2 PHE B 204 36.716 34.768 69.694 1.00 26.02 ATOM 3879 O PHE B 204 39.702 32.924 72.788 1.00 22.15 ATOM 3880 N HIS B 205 39.416 33.083 74.068 1.00 17.87 ATOM 3881 CA HIS B 205 40.602 33.068 76.193 1.00 17.87 ATOM 3882 CB HIS B 205 40.620 33.068 76.193 1.00 17.87 ATOM 3883 CG HIS B 205 41.469 32.282 77.137 1.00 22.02 ATOM 3885 CE1 HIS B 205 42.663 30.786 78.227 1.00 22.03 ATOM 3886 NE2 HIS B 205 42.663 30.786 78.227 1.00 22.03 ATOM 3888 C HIS B 205 42.663 30.786 78.227 1.00 22.08 ATOM 3888 C HIS B 205 42.663 30.786 78.227 1.00 22.08 ATOM 3888 C HIS B 205 42.663 30.786 78.227 1.00 22.08 ATOM 3886 NE2 HIS B 205 42.663 30.786 78.227 1.00 22.08 ATOM 3886 NE2 HIS B 205 42.663 30.786 78.227 1.00 22.08 ATOM 3888 C HIS B 205 38.958 31.270 75.658 1.00 23.56 ATOM 3890 N TYR B 206 33.073 29.902 75.836 1.00 20.72 ATOM 3891 CA TYR B 206 33.073 29.902 75.836 1.00 20.72 ATOM 3893 CG TYR B 206 36.757 26.923 75.209 1.00 18.73 ATOM 3894 CD1 TYR B 206 34.413 26.376 75.372 1.00 26.51 ATOM 3895 CE1 TYR B 206 34.4752 25.135 75.870 1.00 26.51 ATOM 3897 OH TYR B 206 34.4752 25.135 75.870 1.00 28.96 ATOM 3897 OH TYR B 206 34.4752 25.135 75.870 1.00 28.96 ATOM 3897 OH TYR B 206 34.4752 25.135 75.870 1.00 28.96 ATOM 3898 CE2 TYR B 206 34.4752 25.135 75.870 1.00 28.96 ATOM 3898 CE2 TYR B 206 34.4752 25.135 75.870 1.00 28.96 ATOM 3898 CE2 TYR B 206 34.4752 25.135 75.870 1.00 28.96 ATOM 3898 CE2 TYR B 206 34.4752 25.135 75.870 1.00 26.51	MOTA	3867	С	HIS	В		40.398	36.148	71.813	1.00 23.95
ATOM 3870 CA PHE B 204 39.161 33.994 71.840 1.00 16.70 ATOM 3871 CB PHE B 204 38.534 33.311 70.614 1.00 22.28 ATOM 3872 CG PHE B 204 38.026 34.329 69.604 1.00 24.33 ATOM 3873 CD1 PHE B 204 38.876 34.813 68.622 1.00 22.40 ATOM 3874 CE1 PHE B 204 38.876 34.813 68.622 1.00 22.40 ATOM 3875 CZ PHE B 204 37.103 36.205 67.847 1.00 19.32 ATOM 3876 CE2 PHE B 204 36.244 35.727 68.811 1.00 25.22 ATOM 3877 CD2 PHE B 204 36.716 34.768 69.694 1.00 26.02 ATOM 3879 O PHE B 204 39.702 32.924 72.788 1.00 24.15 ATOM 3880 N HIS B 205 39.416 33.083 74.068 1.00 17.87 ATOM 3881 CA HIS B 205 40.000 32.212 75.077 1.00 18.30 ATOM 3882 CB HIS B 205 40.620 33.068 76.193 1.00 17.58 ATOM 3884 ND1 HIS B 205 41.469 32.282 77.137 1.00 20.30 ATOM 3886 NE2 HIS B 205 42.663 30.786 78.227 1.00 22.02 ATOM 3887 CD2 HIS B 205 42.663 30.786 78.227 1.00 22.02 ATOM 3888 C HIS B 205 42.663 30.786 78.227 1.00 22.02 ATOM 3888 CD HIS B 205 38.958 31.270 75.658 1.00 23.56 ATOM 3889 CB2 TYR B 206 34.7855 27.895 74.846 1.00 20.72 ATOM 3889 CG TYR B 206 34.7855 27.895 74.846 1.00 20.72 ATOM 3893 CG TYR B 206 36.757 26.923 75.209 1.00 18.73 ATOM 3893 CG TYR B 206 36.757 26.923 75.209 1.00 18.73 ATOM 3894 CD1 TYR B 206 34.752 25.135 75.870 1.00 20.87 ATOM 3893 CG TYR B 206 34.752 25.135 75.870 1.00 20.87 ATOM 3893 CG TYR B 206 34.752 25.135 75.870 1.00 28.96 ATOM 3897 CH TYR B 206 34.752 25.135 75.870 1.00 28.96 ATOM 3897 CH TYR B 206 34.752 25.135 75.870 1.00 28.96 ATOM 3897 CH TYR B 206 34.752 25.135 75.870 1.00 28.96 ATOM 3897 CH TYR B 206 34.752 25.135 75.870 1.00 28.96 ATOM 3897 CH TYR B 206 34.752 25.135 75.870 1.00 28.96 ATOM 3897 CH TYR B 206 34.752 25.135 75.870 1.00 28.96 ATOM 3898 CE2 TYR B 206 33.753 24.244 76.205 1.00 33.83 ATOM 3898 CE2 TYR B 206 33.753 24.244 76.205 1.00 33.83 ATOM 3898 CE2 TYR B 206 33.753 24.277 75.049 1.00 28.96 ATOM 3898 CE2 TYR B 206 33.753 24.277 75.049 1.00 28.96 ATOM 3898 CE2 TYR B 206 33.753 24.277 75.004 1.00 28.96 ATOM 3898 CE2 TYR B 206 33.753 24.277 75.004 1.00 28.96 ATOM 3898 CE2 TYR B 206 33.753 24.277 77.77 76.049 1	ATOM	3868	0	HIS	В	203	39.651	36.785	72.562	1.00 18.73
ATOM 3870 CA PHE B 204 39.161 33.994 71.840 1.00 16.70 ATOM 3871 CB PHE B 204 38.534 33.311 70.614 1.00 22.28 ATOM 3873 CD1 PHE B 204 38.026 34.329 69.604 1.00 24.33 ATOM 3873 CD1 PHE B 204 38.876 34.813 68.622 1.00 22.40 ATOM 3874 CE1 PHE B 204 38.411 35.764 67.735 1.00 18.80 ATOM 3875 CZ PHE B 204 37.103 36.205 67.847 1.00 19.32 ATOM 3876 CE2 PHE B 204 36.244 35.727 68.811 1.00 25.22 ATOM 3877 CD2 PHE B 204 36.716 34.768 69.694 1.00 26.02 ATOM 3878 C PHE B 204 36.716 34.768 69.694 1.00 26.02 ATOM 3879 O PHE B 204 40.366 31.995 72.324 1.00 24.15 ATOM 3880 N HIS B 205 39.416 33.083 74.068 1.00 17.87 ATOM 3881 CA HIS B 205 40.000 32.212 75.077 1.00 18.30 ATOM 3882 CB HIS B 205 40.620 33.068 76.193 1.00 17.58 ATOM 3883 CG HIS B 205 41.469 32.282 77.137 1.00 20.30 ATOM 3885 CE1 HIS B 205 42.670 31.902 78.946 1.00 22.02 ATOM 3887 CD2 HIS B 205 42.670 31.902 78.946 1.00 22.02 ATOM 3888 C HIS B 205 38.958 31.270 75.658 1.00 22.02 ATOM 3888 C HIS B 205 38.958 31.270 75.658 1.00 22.02 ATOM 3889 CD2 HIS B 205 38.958 31.270 75.658 1.00 22.56 ATOM 3889 CD3 TYR B 206 37.855 27.895 74.846 1.00 20.72 ATOM 3893 CG TYR B 206 37.855 27.895 74.846 1.00 20.72 ATOM 3893 CG TYR B 206 37.855 27.895 74.846 1.00 20.72 ATOM 3893 CG TYR B 206 36.757 26.923 75.209 1.00 18.73 ATOM 3894 CD1 TYR B 206 34.752 25.135 75.870 1.00 20.87 ATOM 3895 CE1 TYR B 206 34.752 25.135 75.870 1.00 20.87 ATOM 3897 OH TYR B 206 34.752 25.135 75.870 1.00 20.87 ATOM 3897 OH TYR B 206 34.752 25.135 75.870 1.00 20.87 ATOM 3897 OH TYR B 206 34.752 25.135 75.870 1.00 20.87 ATOM 3897 OH TYR B 206 34.752 25.135 75.870 1.00 28.96 ATOM 3897 OH TYR B 206 34.752 25.135 75.870 1.00 28.96 ATOM 3898 CE2 TYR B 206 33.753 24.244 76.205 1.00 33.83 ATOM 3898 CE2 TYR B 206 33.753 24.277 75.075 1.00 20.87 ATOM 3898 CE2 TYR B 206 33.753 24.277 75.075 1.00 20.87 ATOM 3898 CE2 TYR B 206 33.753 24.277 75.077 1.00 20.87 ATOM 3898 CE2 TYR B 206 34.752 25.135 75.870 1.00 28.96 ATOM 3898 CE2 TYR B 206 34.752 25.135 75.870 1.00 28.96 ATOM 3898 CE2 TYR B 206 33.753 24.277 75.077 1.00 33.8	ATOM	3869	N	PHE	В	204	40.248	34.876	71.479	1.00 17.03
ATOM 3871 CB PHE B 204 38.534 33.311 70.614 1.00 22.28 ATOM 3872 CG PHE B 204 38.026 34.329 69.604 1.00 24.33 ATOM 3873 CD1 PHE B 204 38.876 34.813 68.622 1.00 22.40 ATOM 3874 CE1 PHE B 204 38.411 35.764 67.735 1.00 19.32 ATOM 3875 CZ PHE B 204 36.244 35.764 67.735 1.00 19.32 ATOM 3876 CE2 PHE B 204 36.244 35.727 68.811 1.00 25.22 ATOM 3877 CD2 PHE B 204 36.716 34.768 69.694 1.00 26.02 ATOM 3878 C PHE B 204 36.716 34.768 69.694 1.00 26.02 ATOM 3879 O PHE B 204 40.366 31.995 72.324 1.00 24.15 ATOM 3880 N HIS B 205 39.416 33.083 74.068 1.00 17.87 ATOM 3881 CA HIS B 205 40.620 33.068 76.193 1.00 17.87 ATOM 3883 CG HIS B 205 41.469 32.282 77.137 1.00 20.30 ATOM 3884 ND1 HIS B 205 41.469 32.282 77.137 1.00 20.30 ATOM 3885 CE1 HIS B 205 42.670 31.902 78.946 1.00 22.02 ATOM 3886 NE2 HIS B 205 42.663 30.786 78.227 1.00 22.02 ATOM 3887 CD2 HIS B 205 42.663 30.786 78.227 1.00 22.68 ATOM 3889 C HIS B 205 38.102 31.697 76.438 1.00 15.40 ATOM 3889 CG TYR B 206 37.855 27.895 74.846 1.00 22.05 ATOM 3891 CA TYR B 206 37.855 27.895 74.846 1.00 20.72 ATOM 3893 CG TYR B 206 37.855 27.895 74.846 1.00 20.72 ATOM 3893 CG TYR B 206 37.855 27.895 74.846 1.00 20.72 ATOM 3894 CD1 TYR B 206 37.855 27.895 74.846 1.00 20.72 ATOM 3895 CG1 TYR B 206 34.752 25.135 75.870 1.00 26.51 ATOM 3897 OH TYR B 206 34.752 25.135 75.870 1.00 26.51 ATOM 3897 OH TYR B 206 34.752 25.135 75.870 1.00 20.87 ATOM 3897 OH TYR B 206 34.752 25.135 75.870 1.00 20.87 ATOM 3897 OH TYR B 206 34.752 25.135 75.870 1.00 20.87 ATOM 3897 OH TYR B 206 34.752 25.135 75.870 1.00 20.87 ATOM 3897 OH TYR B 206 34.752 25.135 75.870 1.00 20.87 ATOM 3897 OH TYR B 206 34.752 25.135 75.870 1.00 20.87 ATOM 3898 CE2 TYR B 206 34.752 25.135 75.870 1.00 20.87 ATOM 3898 CE2 TYR B 206 34.752 25.135 75.870 1.00 20.87 ATOM 3898 CE2 TYR B 206 34.752 25.135 75.870 1.00 20.87 ATOM 3898 CE2 TYR B 206 34.752 25.135 75.870 1.00 20.87 ATOM 3898 CE2 TYR B 206 34.752 25.135 75.870 1.00 20.87 ATOM 3898 CE2 TYR B 206 34.752 25.135 75.870 1.00 20.87 ATOM 3898 CE2 TYR B 206 34.752 25.135 75.870 1.00 20.8			CA	PHE	В	204	39.161	33.994	71.840	1.00 16.70
ATOM 3872 CG PHE B 204 38.026 34.329 69.604 1.00 24.33 ATOM 3873 CD1 PHE B 204 38.876 34.813 68.622 1.00 22.40 ATOM 3874 CE1 PHE B 204 38.411 35.764 67.735 1.00 18.80 ATOM 3875 CZ PHE B 204 37.103 36.205 67.847 1.00 19.32 ATOM 3876 CE2 PHE B 204 36.244 35.727 68.811 1.00 25.22 ATOM 3877 CD2 PHE B 204 36.716 34.768 69.694 1.00 26.02 ATOM 3878 C PHE B 204 36.716 34.768 69.694 1.00 26.02 ATOM 3879 O PHE B 204 40.366 31.995 72.324 1.00 24.15 ATOM 3880 N HIS B 205 39.416 33.083 74.068 1.00 17.87 ATOM 3881 CA HIS B 205 40.000 32.212 75.077 1.00 18.30 ATOM 3883 CG HIS B 205 41.469 32.282 77.137 1.00 20.30 ATOM 3884 ND1 HIS B 205 41.69 32.282 77.137 1.00 20.30 ATOM 3885 CE1 HIS B 205 42.670 31.902 78.946 1.00 21.93 ATOM 3887 CD2 HIS B 205 42.663 30.786 78.227 1.00 22.02 ATOM 3887 CD2 HIS B 205 42.663 30.786 78.227 1.00 22.68 ATOM 3888 C HIS B 205 41.915 31.001 77.092 1.00 15.40 ATOM 3889 C HIS B 205 38.916 31.270 75.658 1.00 23.66 ATOM 3890 N TYR B 206 39.032 29.996 75.287 1.00 19.47 ATOM 3890 CA TYR B 206 39.032 29.996 75.287 1.00 18.73 ATOM 3893 CG TYR B 206 36.757 26.923 75.209 1.00 18.73 ATOM 3893 CG TYR B 206 34.413 26.376 75.372 1.00 22.05 ATOM 3893 CG TYR B 206 34.413 26.376 75.372 1.00 22.05 ATOM 3893 CG TYR B 206 34.413 26.376 75.372 1.00 22.05 ATOM 3893 CG TYR B 206 34.413 26.376 75.372 1.00 22.05 ATOM 3893 CG TYR B 206 34.413 26.376 75.372 1.00 28.96 ATOM 3896 CZ TYR B 206 34.413 26.376 75.372 1.00 28.96 ATOM 3897 OH TYR B 206 34.413 26.376 75.372 1.00 28.96 ATOM 3897 OH TYR B 206 34.413 26.376 75.372 1.00 28.96 ATOM 3897 OH TYR B 206 34.413 26.376 75.372 1.00 28.96 ATOM 3897 OH TYR B 206 34.413 26.376 75.372 1.00 28.96 ATOM 3898 CC2 TYR B 206 34.413 26.376 75.372 1.00 28.96 ATOM 3897 OH TYR B 206 34.413 26.376 75.372 1.00 28.96 ATOM 3898 CC2 TYR B 206 34.413 26.376 75.372 1.00 28.96 ATOM 3898 CC2 TYR B 206 34.752 25.135 75.870 1.00 28.96 ATOM 3898 CC2 TYR B 206 34.752 25.135 75.870 1.00 28.96 ATOM 3898 CC2 TYR B 206 34.752 25.135 75.870 1.00 28.96 ATOM 3898 CC2 TYR B 206 34.752 25.135 75.870 1.00 28.96 ATOM		3871	СВ			204	38.534	33.311	70.614	1.00 22.28
ATOM 3873 CD1 PHE B 204 38.876 34.813 68.622 1.00 22.40 ATOM 3874 CE1 PHE B 204 38.411 35.764 67.735 1.00 18.80 ATOM 3875 CZ PHE B 204 37.103 36.205 67.847 1.00 19.32 ATOM 3876 CE2 PHE B 204 36.244 35.727 68.811 1.00 25.22 ATOM 3877 CD2 PHE B 204 36.716 34.768 69.694 1.00 26.02 ATOM 3878 C PHE B 204 39.702 32.924 72.788 1.00 22.01 ATOM 3879 O PHE B 204 40.366 31.995 72.324 1.00 24.15 ATOM 3880 N HIS B 205 39.416 33.083 74.068 1.00 17.87 ATOM 3881 CA HIS B 205 40.600 32.212 75.077 1.00 18.30 ATOM 3882 CB HIS B 205 40.620 33.068 76.193 1.00 17.58 ATOM 3883 CG HIS B 205 41.469 32.282 77.137 1.00 20.30 ATOM 3885 CE1 HIS B 205 42.663 30.786 78.227 1.00 22.02 ATOM 3886 NE2 HIS B 205 42.663 30.786 78.227 1.00 22.02 ATOM 3887 CD2 HIS B 205 41.915 31.001 77.092 1.00 15.40 ATOM 3888 C HIS B 205 38.958 31.270 75.658 1.00 23.56 ATOM 3889 O HIS B 205 38.958 31.270 75.658 1.00 23.56 ATOM 3891 CA TYR B 206 38.073 29.922 75.836 1.00 20.72 ATOM 3892 CB TYR B 206 38.073 29.922 75.836 1.00 22.05 ATOM 3892 CB TYR B 206 37.855 27.895 74.846 1.00 20.72 ATOM 3893 CG TYR B 206 36.757 26.923 75.209 1.00 18.73 ATOM 3894 CD1 TYR B 206 36.757 26.923 75.209 1.00 18.73 ATOM 3895 CE1 TYR B 206 36.757 26.923 75.209 1.00 28.96 ATOM 3897 OH TYR B 206 34.413 26.376 75.372 1.00 26.51 ATOM 3896 CZ TYR B 206 34.413 26.376 75.372 1.00 26.51 ATOM 3897 OH TYR B 206 34.413 26.376 75.372 1.00 26.51 ATOM 3897 OH TYR B 206 34.4752 25.135 75.870 1.00 26.51 ATOM 3897 OH TYR B 206 34.4752 25.135 75.870 1.00 26.51 ATOM 3897 OH TYR B 206 34.4752 25.135 75.870 1.00 26.51 ATOM 3897 OH TYR B 206 34.4752 25.135 75.870 1.00 26.51 ATOM 3898 CE2 TYR B 206 33.753 24.244 76.205 1.00 33.83 ATOM 3898 CE2 TYR B 206 33.753 24.244 76.205 1.00 33.83 ATOM 3898 CE2 TYR B 206 33.753 24.244 76.205 1.00 30.27		3872						34.329	69.604	1.00 24.33
ATOM 3874 CE1 PHE B 204 38.411 35.764 67.735 1.00 18.80 ATOM 3875 CZ PHE B 204 37.103 36.205 67.847 1.00 19.32 ATOM 3876 CE2 PHE B 204 36.244 35.727 68.811 1.00 25.22 ATOM 3877 CD2 PHE B 204 36.716 34.768 69.694 1.00 26.02 ATOM 3878 C PHE B 204 40.366 31.995 72.324 1.00 24.15 ATOM 3880 N HIS B 205 39.416 33.083 74.068 1.00 17.87 ATOM 3881 CA HIS B 205 40.000 32.212 75.077 1.00 18.30 ATOM 3882 CB HIS B 205 40.620 33.068 76.193 1.00 17.58 ATOM 3883 CG HIS B 205 41.469 32.282 77.137 1.00 20.30 ATOM 3884 ND1 HIS B 205 41.954 32.812 78.310 1.00 22.02 ATOM 3885 CE1 HIS B 205 42.663 30.786 78.227 1.00 22.02 ATOM 3887 CD2 HIS B 205 42.663 30.786 78.227 1.00 22.02 ATOM 3888 C B HIS B 205 41.915 31.001 77.092 1.00 15.40 ATOM 3889 O HIS B 205 38.958 31.270 75.658 1.00 23.56 ATOM 3890 N TYR B 206 38.958 31.270 75.658 1.00 23.56 ATOM 3891 CA TYR B 206 38.073 29.022 75.836 1.00 22.05 ATOM 3892 CB TYR B 206 36.757 26.923 75.209 1.00 18.73 ATOM 3893 CG TYR B 206 36.757 26.923 75.209 1.00 18.73 ATOM 3894 CD1 TYR B 206 36.757 26.923 75.209 1.00 18.73 ATOM 3895 CE1 TYR B 206 34.413 26.376 75.372 1.00 26.51 ATOM 3897 OH TYR B 206 34.752 25.135 75.870 1.00 28.96 ATOM 3897 OH TYR B 206 34.752 25.135 75.870 1.00 28.96 ATOM 3897 OH TYR B 206 34.752 25.135 75.870 1.00 28.96 ATOM 3897 OH TYR B 206 34.752 25.135 75.870 1.00 28.96 ATOM 3897 OH TYR B 206 33.753 24.244 76.205 1.00 33.83 ATOM 3898 CE2 TYR B 206 33.753 24.244 76.205 1.00 33.83 ATOM 3898 CE2 TYR B 206 33.753 24.244 76.205 1.00 33.83									68.622	1.00 22.40
ATOM 3875 CZ PHE B 204 37.103 36.205 67.847 1.00 19.32 ATOM 3876 CE2 PHE B 204 36.244 35.727 68.811 1.00 25.22 ATOM 3877 CD2 PHE B 204 36.716 34.768 69.694 1.00 26.02 ATOM 3878 C PHE B 204 39.702 32.924 72.788 1.00 22.01 ATOM 3879 O PHE B 204 40.366 31.995 72.324 1.00 24.15 ATOM 3880 N HIS B 205 40.000 32.212 75.077 1.00 18.30 ATOM 3882 CB HIS B 205 40.620 33.068 76.193 1.00 17.87 ATOM 3883 CG HIS B 205 41.469 32.282 77.137 1.00 20.30 ATOM 3884 ND1 HIS B 205 41.954 32.812 78.310 1.00 22.02 ATOM 3886 NE2 HIS B 205 42.663 30.786 78.227 1.00 22.02 ATOM 3887 CD2 HIS B 205 42.663 30.786 78.227 1.00 22.68 ATOM 3888 C HIS B 205 42.663 30.786 78.227 1.00 22.68 ATOM 3888 C HIS B 205 38.958 31.270 75.658 1.00 23.56 ATOM 3890 N TYR B 206 38.023 29.996 75.287 1.00 18.88 ATOM 3891 CA TYR B 206 38.032 29.996 75.287 1.00 18.73 ATOM 3891 CA TYR B 206 37.855 27.895 74.846 1.00 20.72 ATOM 3893 CG TYR B 206 37.855 27.895 74.846 1.00 20.73 ATOM 3894 CD1 TYR B 206 36.757 26.923 75.876 1.00 20.87 ATOM 3895 CE1 TYR B 206 34.413 26.376 75.372 1.00 26.51 ATOM 3897 OH TYR B 206 34.413 26.376 75.372 1.00 26.51 ATOM 3897 OH TYR B 206 34.752 25.135 75.870 1.00 28.96 ATOM 3897 OH TYR B 206 34.413 26.376 75.372 1.00 26.51 ATOM 3897 OH TYR B 206 33.753 24.244 76.205 1.00 33.83 ATOM 3897 OH TYR B 206 34.752 25.135 75.870 1.00 28.96										1.00 18.80
ATOM 3876 CE2 PHE B 204 36.244 35.727 68.811 1.00 25.22 ATOM 3877 CD2 PHE B 204 36.716 34.768 69.694 1.00 26.02 ATOM 3878 C PHE B 204 39.702 32.924 72.788 1.00 22.01 ATOM 3879 O PHE B 204 40.366 31.995 72.324 1.00 24.15 ATOM 3880 N HIS B 205 39.416 33.083 74.068 1.00 17.87 ATOM 3881 CA HIS B 205 40.000 32.212 75.077 1.00 18.30 ATOM 3882 CB HIS B 205 40.620 33.068 76.193 1.00 17.58 ATOM 3883 CG HIS B 205 41.469 32.282 77.137 1.00 20.30 ATOM 3884 ND1 HIS B 205 41.954 32.812 78.310 1.00 22.02 ATOM 3885 CE1 HIS B 205 42.670 31.902 78.946 1.00 21.93 ATOM 3886 NE2 HIS B 205 42.663 30.786 78.227 1.00 22.68 ATOM 3887 CD2 HIS B 205 41.915 31.001 77.092 1.00 15.40 ATOM 3889 O HIS B 205 38.958 31.270 75.658 1.00 23.56 ATOM 3890 N TYR B 206 38.073 29.022 75.836 1.00 23.56 ATOM 3891 CA TYR B 206 38.073 29.022 75.836 1.00 20.72 ATOM 3893 CG TYR B 206 36.757 26.923 75.209 1.00 18.73 ATOM 3894 CD1 TYR B 206 36.757 26.923 75.209 1.00 18.73 ATOM 3895 CE1 TYR B 206 34.413 26.376 75.372 1.00 26.51 ATOM 3897 OH TYR B 206 34.752 25.135 75.870 1.00 28.96 ATOM 3897 OH TYR B 206 34.752 25.135 75.870 1.00 28.96 ATOM 3897 OH TYR B 206 33.753 24.244 76.205 1.00 33.83 ATOM 3898 CE2 TYR B 206 36.067 24.773 76.049 1.00 30.27										
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ATOM 3898 CE2 TYR B 206 36.067 24.773 76.049 1.00 30.27		3897	ОН	TYR	В	206	33.753	24.244		
							36.067	24.773	76.049	1.00 30.27
			CD2	TYR	В	206	37.073	25.671	75.719	1.00 28.39

ATOM	3900	С	TYR	В	206	38.613	28.499	77.156	1.00 24.76	ŝ
ATOM	3901	0	TYR	В	206	39.717	27.943	77.181	1.00 19.80)
ATOM	3902	N	THR		207	37.887	28.679	78.261	1.00 20.66	S S
ATOM	3903	CA			207	38.554	28.426	79.533	1.00 20.59	
								80.477	1.00 23.62	
ATOM	3904	CB			207	38.343	29.630			
ATOM	3905	OG1	THR		207	36.964	30.008	80.399	1.00 20.08	
ATOM	3906	CG2	THR		207	39.198	30.803	80.014	1.00 30.98	
ATOM	3907	С	THR			38.084	27.179	80.263	1.00 23.84	
ATOM	3908	0	THR	В	207	38.498	26.972	81.414	1.00 22.22	
ATOM	3909	N	VAL	В	208	37.254	26.345	79.643	1.00 23.82	2
ATOM	3910	CA	VAL	В	208	36.825	25.167	80.402	1.00 28.06	ĵ.
ATOM	3911	СВ	VAL	В	208	35.322	25.266	80.749	1.00 27.30)
ATOM	3912	CG1	VAL			35.074	26.517	81.590	1.00 32.43	
ATOM	3913	CG2	VAL			34.465	25.241	79.494	1.00 27.40	
ATOM	3914	C	VAL			37.116	23.851	79.698	1.00 30.84	
ATOM	3915	0	VAL	В		36.320	22.909	79.773	1.00 35.95	
					209	38.255	23.743	79.031	1.00 26.26	
ATOM	3916	N	TRP							
ATOM	3917	CA	TRP	В		38.657	22.486	78.391	1.00 24.69	
ATOM	3918	СВ	TRP	В		38.976	22.685	76.918	1.00 30.19	
ATOM	3919	CG	TRP	В		39.163	21.465	76.068	1.00 24.30	
ATOM	3920	CD1	TRP			39.449	20.169	76.361	1.00 26.73	
ATOM	3921	NE1			209	39.526	19.394	75.229	1.00 27.16	
MOTA	3922	CE2	TRP	В	209	39.278	20.210	74.148	1.00 34.57	1
ATOM	3923	CD2	TRP	В	209	39.048	21.513	74.632	1.00 23.58	3
ATOM	3924	CE3	TRP	В	209	38.768	22.558	73.746	1.00 24.70)
ATOM	3925	CZ3	TRP	В	209	38.731	22.256	72.395	1.00 35.51	_
ATOM	3926	CH2	TRP	В	209	38.964	20.951	71.930	1.00 33.08	}
ATOM	3927	CZ2		В		39.236	19.917	72.782	1.00 32.65	j
ATOM	3928	С		В		39.889	21.934	79.099	1.00 26.90	
ATOM	3929	Ō		В	209	40.981	22.462	78.880	1.00 24.25	
ATOM	3930	N			210	39.733	20.881	79.886	1.00 30.43	
ATOM	3931	CA	PRO		210	40.872	20.308	80.611	1.00 22.74	
ATOM	3932	CB		В	210	40.241	19.228	81.492	1.00 26.14	
	3933	CG		В	210	38.776	19.517	81.488	1.00 31.27	
ATOM										
ATOM	3934	CD			210	38.486	20.136	80.147		
ATOM	3935	C	PRO		210	41.871	19.648	79.668	1.00 22.10	
ATOM	3936	0	PRO		210	41.475	19.064	78.662	1.00 34.64	
MOTA	3937	N		В	211	43.153	19.724	80.001	1.00 15.18	
ATOM	3938	CA	ASP			44.183	19.090	79.209	1.00 21.45	
ATOM	3939	CB	ASP			45.565	19.247	79.849	1.00 28.68	
ATOM	3940	CG	ASP			46.648	19.134	78.790	1.00 26.69	į
MOTA	3941	OD1	ASP	В	211	47.820	19.370	79.138	1.00 34.33	•
MOTA	3942	OD2	ASP	В	211	46.281	18.819	77.638	1.00 25.77	
MOTA	3943	С	ASP	В	211	43.901	17.600	79.038	1.00 40.98	J
MOTA	3944	0	ASP	В	211	43.349	16.940	79.926	1.00 28.43	į
ATOM	3945	N	HIS			44.254	17.081	77.868	1.00 34.69	
ATOM	3946	CA	HIS			44.020	15.705	77.459	1.00 29.07	
ATOM	3947	СВ	HIS			44.864	14.770	78.328	1.00 22.05	
ATOM	3948	CG	HIS			46.266	15.247	78.527	1.00 23.98	
ATOM	3949		HIS			47.183	15.323	77.504	1.00 29.39	
	3950		HIS			48.329	15.777	77.969	1.00 23.66	
ATOM										
MOTA	3951	NEZ	HIS	B	212	48.187	15.996	79.268	1.00 32.42	

ATOM	3952	CD2	HIS	3	212	46.906	15.670	79.637	1.00 23.94
ATOM	3953	С	HIS	3	212	42.564	15.267	77.538	1.00 39.31
ATOM	3954	0	HIS	3	212	42.251	14.074	77.466	1.00 50.27
ATOM	3955	N	GLY I			41.642	16.207	77.683	1.00 40.41
ATOM	3956	CA	GLY			40.245	15.925	77.912	1.00 30.96
ATOM	3957	C	GLY I			39.401	16.580	76.835	1.00 33.95
	3958	0	GLY			39.938	17.004	75.817	1.00 33.78
ATOM			VAL			38.120	16.610	77.144	1.00 31.79
ATOM	3959	N				37.081	17.170	76.303	1.00 31.65
ATOM	3960	CA	VAL !					75.701	1.00 31.03
MOTA	3961	CB	VAL !			36.238	16.035	74.832	
ATOM	3962	CG1	VAL			37.120	15.151		1.00 45.38
MOTA	3963		VAL I			35.582	15.230	76.815	1.00 24.44
MOTA	3964	С	VAL 1			36.205	18.070	77.150	1.00 36.18
MOTA	3965	0	VAL			36.097	17.826	78.358	1.00 35.44
MOTA	3966	N	PRO 1	В	215	35.582	19.094	76.597	1.00 32.79
MOTA	3967	CA	PRO 1	В	215	34.679	19.888	77.449	1.00 35.01
ATOM	3968	CB	PRO 1		215	34.113	20.923	76.488	1.00 32.92
MOTA	3969	CG	PRO !	В	215	35.146	21.018	75.406	1.00 39.93
MOTA	3970	CD	PRO !	В	215	35.654	19.604	75.225	1.00 33.73
MOTA	3971	С	PRO 1	В.	215	33.574	18.999	78.031	1.00 40.15
ATOM	3972	0	PRO 1			33.366	17.872	77.581	1.00 31.33
ATOM	3973	N	GLU I			32.896	19.532	79.028	1.00 39.88
ATOM	3974	CA	GLU :			31.810	18.913	79.763	1.00 43.51
ATOM	3975	СВ	GLU I		216	31.406	19.850	80.906	1.00 52.27
ATOM	3976	CG	GLU I			31.040	19.159	82.203	1.00 67.80
ATOM	3977	CD	GLU I			31.677	19.781	83.429	1.00 77.24
ATOM	3978	OE1				31.550	19.193	84.527	1.00 81.69
	3979	OE2	GLU !			32.302	20.857	83.300	1.00 89.24
ATOM						30.617	18.606	78.864	1.00 40.84
ATOM	3980	C	GLU I			30.017	17.536	78.967	1.00 53.80
ATOM	3981	0	GLU I					77.983	1.00 33.00
ATOM	3982	N	THR			30.269	19.531		1.00 38.93
ATOM	3983	CA	THR			29.204	19.383	77.008	
ATOM	3984	СВ	THR			28.040	20.379	77.205	1.00 45.29
ATOM	3985	OG1	THR			28.483	21.708	76.887	1.00 35.12
ATOM	3986	CG2	THR I			27.573	20.406	78.649	1.00 41.50
MOTA	3987	С	THR !			29.708	19.600	75.580	1.00 41.46
MOTA	3988	0	THR !			30.806	20.088	75.328	1.00 31.75
MOTA	3989	N	THR I			28.852	19.241	74.631	1.00 44.21
MOTA	3990	CA	THR	В.	218	29.157	19.469	73.222	1.00 46.58
MOTA	3991	CB	THR I	В.	218	28.428	18.436	72.347	
MOTA	3992	OG1	THR I	В.	218	27.030	18.755	72.322	1.00 60.14
ATOM	3993	CG2	THR	в.	218	28.539	17.047	72.953	1.00 48.45
ATOM	3994	С	THR	В.	218	28.751	20.877	72.807	1.00 39.87
ATOM	3995	0	THR I			29.472	21.575	72.100	1.00 33.12
MOTA	3996	N	GLN I			27.581	21.301	73.262	1.00 42.47
ATOM	3997	CA	GLN I			27.023	22.603	72.942	1.00 48.42
ATOM	3998	CB	GLN I			25.735	22.859	73.734	1.00 61.04
ATOM	3999	CG	GLN I			24.465	22.396	73.043	1.00 75.20
ATOM	4000	CD	GLN I			23.709	21.356	73.846	1.00 86.54
	4000	OE1				24.156	20.217	73.990	1.00100.39
ATOM			GLN I			22.552	21.750	74.373	1.00 96.05
ATOM	4002					27.988	23.745	73.241	1.00 42.13
ATOM	4003	С	GLN I	5 .	213	21.300	23.743	13.241	1.00 42.13

MOTA	4004	0	GLN	В	219	27.912	24.784	72.588	1.00 38.02
MOTA	4005	N	SER	В	220	28.856	23.557	74.230	1.00 41.58
ATOM	4006	CA	SER	В	220	29.702	24.652	74.687	1.00 41.47
ATOM	4007	СВ			220	30.377	24.324	76.022	1.00 40.77
ATOM	4008	OG			220	31.170	25.425	76.432	1.00 52.01
							24.985	73.661	1.00 32.19
MOTA	4009	C			220	30.781			
MOTA	4010	0	SER		220	30.948	26.137	73.270	1.00 34.50
ATOM	4011	N	LEU			31.491	23.939	73.262	1.00 32.63
ATOM	4012	CA	LEU		221	32.578	24.130	72.312	1.00 30.11
ATOM	4013	CB	LEU	В	221	33.532	22.934	72.268	1.00 31.66
ATOM	4014	CG	LEU	В	221	34.848	23.244	71.525	1.00 33.07
MOTA	4015	CD1	LEU	В	221	35.653	24.288	72.290	1.00 29.11
ATOM	4016	CD2				35.641	21.978	71.284	1.00 29.80
ATOM	4017	C	LEU			31.970	24.416	70.944	1.00 30.52
	4018	0	LEU			32.479	25.263	70.210	1.00 31.28
ATOM					222	30.879	23.712	70.649	1.00 30.64
ATOM	4019	N						69.364	1.00 35.39
MOTA	4020	CA			222	30.208	23.955		
ATOM	4021	CB			222	28.961	23.069	69.244	1.00 28.31
ATOM	4022	CG1	ILE			29.280	21.656	68.733	1.00 23.30
ATOM	4023	CD1	ILE	В	222	28.138	20.695	68.988	1.00 31.06
MOTA	4024	CG2	ILE	В	222	27.871	23.684	68.394	1.00 30.00
MOTA	4025	С	ILE	В	222	29.871	25.433	69.215	1.00 31.09
MOTA	4026	0	ILE	В	222	30.088	26.049	68.169	1.00 30.29
ATOM	4027	N	GLN		223	29.352	26.009	70.296	1.00 31.17
ATOM	4028	CA	GLN		223	28.973	27.416	70.289	1.00 33.58
ATOM	4029	CB	GLN			28.201	27.804	71.554	1.00 39.47
	4020	CG			223	27.198	28.916	71.237	1.00 56.44
ATOM						26.886	28.937	69.747	1.00 72.62
ATOM	4031	CD			223			69.269	1.00 72.02
ATOM	4032	OE1	GLN			26.007	28.216		1.00 75.15
ATOM	4033	NE2	GLN			27.618	29.765	69.008	
ATOM	4034	С	GLN			30.210	28.300	70.151	1.00 27.54
ATOM	4035	0	GLN			30.195	29.217	69.338	1.00 28.05
MOTA	4036	N	PHE	В	224	31.238	27.991	70.934	1.00 26.93
MOTA	4037	CA	PHE	В	224	32.529	28.675	70.816	1.00 21.53
ATOM	4038	CB	PHE	В	224	33.554	28.029	71.726	1.00 22.20
ATOM	4039	CG	PHE	В	224	34.930	28.683	71.736	1.00 25.50
ATOM	4040	CD1	PHE	В	224	35.141	29.892	72.381	1.00 24.49
ATOM	4041	CE1	PHE	В	224	36.398	30.465	72.413	1.00 22.79
ATOM	4042	CZ	PHE			37.451	29.853	71.766	1.00 14.40
ATOM	4043		PHE			37.260	28.650	71.125	1.00 22.52
ATOM	4044		PHE			36.000	28.071	71.113	1.00 23.70
		CDZ			224	33.033	28.659	69.372	1.00 25.07
ATOM	4045						29.707	68.770	1.00 23.07
ATOM	4046	0	PHE			33.291			1.00 33.25
ATOM	4047	N	VAL			33.166	27.464	68.800	
ATOM	4048	CA	VAL			33.655	27.335	67.431	1.00 21.13
ATOM	4049	CB	VAL			33.656	25.868	66.962	1.00 20.06
ATOM	4050		VAL			33.778	25.769	65.448	1.00 21.52
ATOM	4051	CG2	VAL			34.796	25.101	67.607	1.00 23.47
MOTA	4052	С	VAL	В	225	32.826	28.179	66.470	1.00 34.08
MOTA	4053	0	VAL	В	225	33.395	28.901	65.641	1.00 30.78
ATOM	4054	N	ARG			31.498	28.088	66.584	1.00 33.79
ATOM	4055	CA	ARG			30.663	28.875	65.670	1.00 32.97
		-		-					

ATOM 4058 CB ARG B 226	ATOM 4057 CG ARG B 226											
ATOM 4059 NE ARG B 226 26.967 25.743 64.773 1.00 43 ATOM 4059 NE ARG B 226 26.967 25.743 64.773 1.00 52 ATOM 4060 CZ ARG B 226 25.960 24.913 65.031 1.00 52 ATOM 4061 NH1 ARG B 226 25.229 25.084 66.127 1.00 38 ATOM 4062 NH2 ARG B 226 25.229 25.084 66.127 1.00 38 ATOM 4063 NH2 ARG B 226 25.229 25.084 66.127 1.00 38 ATOM 4063 C ARG B 226 30.933 30.356 65.886 1.00 38 ATOM 4064 O ARG B 226 30.933 30.356 65.886 1.00 38 ATOM 4065 N THR B 227 31.007 30.745 67.151 1.00 32 ATOM 4066 CA THR B 227 31.406 32.146 67.425 1.00 34 ATOM 4066 CA THR B 227 31.407 30.745 67.151 1.00 32 ATOM 4067 CB THR B 227 31.407 32.430 68.937 1.00 37 ATOM 4068 OG1 THR B 227 31.474 32.430 68.937 1.00 37 ATOM 4070 C THR B 227 31.977 33.840 69.194 1.00 37 ATOM 4070 C THR B 227 32.728 32.514 66.772 1.00 33 ATOM 4071 O THR B 228 33.737 31.645 66.903 1.00 29 ATOM 4072 N VAL B 228 33.737 31.645 66.903 1.00 25 ATOM 4073 CA VAL B 228 33.737 31.645 66.903 1.00 25 ATOM 4074 CB VAL B 228 36.316 31.036 66.282 1.00 25 ATOM 4076 CG2 VAL B 228 36.316 31.036 66.282 1.00 25 ATOM 4077 C VAL B 228 36.316 31.036 66.282 1.00 25 ATOM 4078 O VAL B 228 36.316 31.066 68.244 1.00 22 ATOM 4078 O VAL B 228 34.253 31.163 64.145 1.00 30 ATOM 4079 N ARG B 229 34.253 31.163 64.145 1.00 30 ATOM 4080 CA ARG B 229 34.253 31.158 62.678 1.00 31 ATOM 4080 CA ARG B 229 34.250 30.014 59.828 1.00 31. ATOM 4081 CB ARG B 229 34.250 30.014 59.828 1.00 31. ATOM 4080 CA ARG B 229 33.899 32.946 60.089 1.00 32. ATOM 4080 CA ARG B 229 33.899 32.946 60.089 1.00 32. ATOM 4080 CA ARG B 229 33.899 32.946 60.089 1.00 32. ATOM 4080 CA ARG B 229 33.899 32.946 60.089 1.00 32. ATOM 4080 CA ARG B 229 33.899 32.946 60.089 1.00 32. ATOM 4080 CA ARG B 229 33.899 32.946 60.089 1.00 33. ATOM 4080 CA ARG B 229 33.899 32.946 60.089 1.00 32. ATOM 4080 CA ARG B 229 33.899 32.946 60.089 1.00 32. ATOM 4080 CA ARG B 229 33.899 32.946 60.089 1.00 32. ATOM 4080 CA ARG B 229 33.899 32.946 60.089 1.00 33. ATOM 4090 CA SPB B 230 32.946 60.395 1.00 33. ATOM 4091 CA SPB B 230 32.946 60.395 1.00 33. ATOM 4092 CB ASP B 230 3	ATOM 4058 CD ARG B 226 27.340 26.867 65.634 1.00 43.64 ATOM 4060 CZ ARG B 226 26.967 25.743 66.773 1.00 52.04 ATOM 4060 CZ ARG B 226 25.960 24.913 65.031 1.00 56.46 ATOM 4061 NHI ARG B 226 25.960 24.913 65.031 1.00 56.46 ATOM 4062 NHI ARG B 226 25.688 23.917 64.197 1.00 38.23 ATOM 4063 C ARG B 226 30.933 30.356 65.866 1.00 38.23 ATOM 4064 O ARG B 226 31.031 31.144 64.947 1.00 40.50 ATOM 4065 N THR B 227 31.077 30.745 67.151 1.00 32.43 ATOM 4066 CA THR B 227 31.077 30.745 67.151 1.00 32.47 ATOM 4066 CB THR B 227 31.406 32.146 67.425 1.00 34.79 ATOM 4068 0G1 THR B 227 31.977 33.840 69.937 1.00 37.87 ATOM 4069 CG2 THR B 227 31.977 33.840 69.194 1.00 37.73 ATOM 4070 C THR B 227 32.2879 33.558 66.136 1.00 29.04 ATOM 4071 O THR B 227 32.879 33.558 66.136 1.00 29.04 ATOM 4072 N VAL B 228 35.022 32.021 66.300 1.00 25.94 ATOM 4073 CA VAL B 228 35.022 32.021 66.300 1.00 25.74 ATOM 4076 CG2 VAL B 228 36.125 31.038 66.728 1.00 27.50 ATOM 4077 C VAL B 228 33.492 32.108 64.179 1.00 25.85 ATOM 4078 C VAL B 228 34.929 32.108 64.779 1.00 25.85 ATOM 4079 N ARG B 229 34.253 31.163 64.145 1.00 39.97 ATOM 4070 C VAL B 228 36.512 31.038 66.728 1.00 35.74 ATOM 4071 C VAL B 228 36.512 31.038 66.728 1.00 35.74 ATOM 4070 C VAL B 228 36.512 31.038 66.728 1.00 35.74 ATOM 4071 C VAL B 228 36.512 31.038 66.728 1.00 35.74 ATOM 4078 CA ARG B 229 34.172 31.158 62.678 1.00 35.74 ATOM 4080 CA ARG B 229 33.486 29.872 62.232 1.00 35.10 ATOM 4080 CA ARG B 229 33.486 29.872 62.232 1.00 35.10 ATOM 4080 CA ARG B 229 33.496 60.089 1.00 32.84 ATOM 4080 CA ARG B 229 33.496 60.089 1.00 32.84 ATOM 4080 CA ARG B 229 33.496 32.398 62.160 1.00 37.64 ATOM 4080 CA ARG B 229 33.495 32.398 62.678 1.00 37.64 ATOM 4080 CA ARG B 229 33.495 32.398 62.60.89 1.00 33.64 ATOM 4090 N ASP B 230 32.496 61.256 63.391 1.00 36.42 ATOM 4090 CA ARG B 229 33.495 32.398 62.160 1.00 36.42 ATOM 4090 CA ARG B 229 33.495 32.398 62.160 1.00 36.42 ATOM 4090 CA ARG B 229 33.496 36.128 61.574 1.00 40.26 ATOM 4090 CA ARG B 229 33.496 36.464 63.395 1.00 36.42 ATOM 4090 CA ARG B 230 33.693 3	ATOM	4056	CB	ARG	В	226	29.185	28.551	65.852	1.00 36	.13
ATOM 4059 NE ARG B 226 25.960 24.913 64.773 1.00 52 ATOM 4060 CZ ARG B 226 25.960 24.913 65.031 1.00 56 ATOM 4061 NH1 ARG B 226 25.229 25.084 66.127 1.00 35 ATOM 4062 NH2 ARG B 226 25.688 23.917 64.197 1.00 53 ATOM 4063 C ARG B 226 31.933 30.356 65.886 1.00 38 ATOM 4064 O ARG B 226 31.931 31.144 64.947 1.00 40 ATOM 4064 O ARG B 226 31.931 31.144 64.947 1.00 32 ATOM 4064 O ARG B 226 31.031 31.144 64.947 1.00 32 ATOM 4066 CA THR B 227 31.077 30.745 67.151 1.00 32 ATOM 4066 CB THR B 227 31.474 32.430 68.937 1.00 37 ATOM 4068 OG1 THR B 227 31.474 32.430 68.937 1.00 37 ATOM 4069 CG2 THR B 227 31.474 32.430 68.937 1.00 37 ATOM 4069 CG2 THR B 227 32.788 32.514 66.772 1.00 33 ATOM 4071 O THR B 227 32.789 33.558 66.136 1.00 29 ATOM 4072 N VAL B 228 35.022 32.021 66.300 1.00 29 ATOM 4073 CA VAL B 228 35.022 32.021 66.300 1.00 27 ATOM 4074 CB VAL B 228 35.022 32.021 66.300 1.00 27 ATOM 4075 CG2 VAL B 228 36.125 31.038 66.728 1.00 27 ATOM 4075 CG2 VAL B 228 36.125 31.038 66.728 1.00 27 ATOM 4076 CG2 VAL B 228 36.125 31.038 66.728 1.00 27 ATOM 4077 C VAL B 228 37.499 31.576 66.055 1.00 25 ATOM 4078 O VAL B 228 37.499 31.376 66.005 1.00 25 ATOM 4078 O VAL B 228 37.499 31.163 64.145 1.00 30 ATOM 4078 O VAL B 228 37.492 31.163 64.145 1.00 30 ATOM 4080 CA ARG B 229 34.253 31.163 64.145 1.00 30 ATOM 4080 CA ARG B 229 34.253 31.163 64.145 1.00 30 ATOM 4080 CA ARG B 229 33.486 29.872 62.232 1.00 35 ATOM 4080 CA ARG B 229 33.486 29.872 62.232 1.00 35 ATOM 4080 CA ARG B 229 33.486 29.872 62.232 1.00 35 ATOM 4080 CA ARG B 229 33.485 32.986 61.165 1.00 30 ATOM 4080 CA ARG B 229 33.486 29.872 62.332 1.00 35 ATOM 4080 CA ARG B 229 33.486 29.872 62.332 1.00 30 ATOM 4080 CA ARG B 229 33.486 29.872 62.332 1.00 35 ATOM 4080 CA ARG B 229 33.486 29.872 62.332 1.00 30 ATOM 4080 CA ARG B 229 33.486 29.872 62.332 1.00 30 ATOM 4080 CA ARG B 229 33.485 32.876 62.486 1.00 40 ATOM 4080 CA ARG B 229 33.809 32.946 61.105 1.00 30 ATOM 4090 CA ARG B 229 33.809 32.946 61.105 1.00 30 ATOM 4090 CA ARG B 229 33.809 32.946 61.00 30 ATOM 4090 CA ARG B 229 33.	ATOM 4059 NE ARG B 226 26.967 25.743 64.773 1.00 52.04 ATOM 4060 CZ ARG B 226 25.960 24.913 66.031 1.00 56.46 ATOM 4061 NH1 ARG B 226 25.960 24.913 66.031 1.00 56.46 ATOM 4062 NH2 ARG B 226 25.688 23.917 64.197 1.00 38.63 ATOM 4063 C ARG B 226 30.933 0.356 65.886 1.00 38.04 ATOM 4064 O ARG B 226 30.933 0.356 65.886 1.00 38.04 ATOM 4065 N THR B 227 31.007 30.745 67.151 1.00 32.88 ATOM 4066 CA THR B 227 31.406 32.146 67.425 1.00 34.79 ATOM 4067 CB THR B 227 31.406 32.146 67.425 1.00 34.79 ATOM 4068 OG1 THR B 227 31.474 32.430 68.937 1.00 37.73 ATOM 4069 CG2 THR B 227 31.977 33.840 69.194 1.00 37.03 ATOM 4070 C THR B 227 32.728 32.514 66.772 1.00 33.01 ATOM 4071 O THR B 227 32.879 33.558 61.36 1.00 29.02 ATOM 4072 N VAL B 228 33.737 31.645 66.930 1.00 29.02 ATOM 4073 CA VAL B 228 33.737 31.645 66.930 1.00 29.02 ATOM 4076 CG2 VAL B 228 33.1937 66.005 1.00 25.89 ATOM 4076 CG2 VAL B 228 37.419 31.376 66.005 1.00 25.89 ATOM 4076 CG2 VAL B 228 37.419 31.976 66.005 1.00 25.89 ATOM 4078 N ARG B 229 34.253 31.163 64.145 1.00 22.05 ATOM 4079 N ARG B 229 34.253 31.163 64.145 1.00 25.85 ATOM 4078 C VAL B 228 35.454 33.028 64.145 1.00 22.05 ATOM 4078 C VAL B 228 35.454 33.028 64.145 1.00 22.05 ATOM 4078 N ARG B 229 34.253 31.163 60.077 1.00 33.94 ATOM 4080 CA ARG B 229 34.253 31.163 60.077 1.00 37.64 ATOM 4081 CB ARG B 229 33.486 29.871 60.772 1.00 37.64 ATOM 4081 CB ARG B 229 33.486 29.871 60.772 1.00 37.64 ATOM 4081 CB ARG B 229 33.496 69.89 1.00 32.94 ATOM 4080 CA ARG B 229 33.496 69.89 1.00 32.94 ATOM 4081 CB ARG B 229 33.496 69.89 1.00 32.94 ATOM 4080 NH ARG B 229 33.496 69.89 1.00 32.94 ATOM 4080 CA ARG B 229 33.496 69.89 1.00 33.74 ATOM 4080 NA ARG B 229 33.496 69.89 1.00 33.74 ATOM 4080 NA ARG B 229 33.496 69.89 1.00 33.74 ATOM 4080 NA ARG B 229 33.496 69.89 1.00 30.97 ATOM 4080 CA ARG B 229 33.496 69.89 1.00 30.97 ATOM 4090 N ARG B 229 33.596 66.908 1.00 30.97 ATOM 4090 N ARG B 229 33.596 66.908 1.00 30.97 ATOM 4090 N ARG B 229 33.596 66.908 1.00 30.97 ATOM 4090 CA ARG B 229 33.596 66.908 1.00 30.97 ATOM 4090 N ARG B	ATOM	4057	CG	ARG	В	226	28.846	27.076	65.682	1.00 38	.26
ATOM 4060 CZ ARG B 226	ATOM 4060 CZ ARG B 226			CD	ARG	В		27.340	26.867	65.634	1.00 43	. 64
ATOM 4061 NH1 ARG B 226	ATOM 4061 NH1 ARG B 226											
ATOM 4062 NH2 ARG B 226 25.688 23.917 64.197 1.00 53 ATOM 4063 C ARG B 226 30.933 30.356 65.886 1.00 38 ATOM 4064 O ARG B 226 31.031 31.144 64.947 1.00 40 ATOM 4065 N THR B 227 31.077 30.745 67.151 1.00 32 ATOM 4066 CA THR B 227 31.406 32.146 67.425 1.00 34 ATOM 4067 CB THR B 227 31.406 32.146 67.425 1.00 34 ATOM 4067 CB THR B 227 31.406 32.146 67.425 1.00 34 ATOM 4068 OG1 THR B 227 31.474 32.430 68.937 1.00 37 ATOM 4069 CG2 THR B 227 31.977 33.840 69.194 1.00 37 ATOM 4070 C THR B 227 32.728 32.514 66.772 1.00 33 ATOM 4071 O THR B 227 32.728 32.514 66.772 1.00 33 ATOM 4072 N VAL B 228 33.737 31.645 66.930 1.00 29 ATOM 4073 CA VAL B 228 33.737 31.645 66.903 1.00 29 ATOM 4074 CB VAL B 228 36.125 31.038 66.728 1.00 27 ATOM 4075 CG1 VAL B 228 37.419 31.376 66.005 1.00 25 ATOM 4076 CG2 VAL B 228 36.316 31.066 68.244 1.00 22 ATOM 4077 C VAL B 228 35.454 33.028 64.145 1.00 25 ATOM 4078 N ARG B 229 34.172 31.158 62.678 1.00 30 ATOM 4080 CA ARG B 229 34.253 31.163 64.145 1.00 25 ATOM 4080 CA ARG B 229 33.486 29.872 62.232 1.00 35 ATOM 4081 CB ARG B 229 34.253 31.163 64.145 1.00 30 ATOM 4082 CG ARG B 229 33.486 29.872 62.232 1.00 35 ATOM 4084 NE ARG B 229 34.255 30.014 59.828 1.00 31 ATOM 4086 CA ARG B 229 33.486 29.872 62.232 1.00 35 ATOM 4086 CA ARG B 229 34.553 30.304 58.602 1.00 27 ATOM 4086 CA ARG B 229 33.486 29.872 62.232 1.00 35 ATOM 4087 NH2 ARG B 229 36.515 29.276 59.439 1.00 32 ATOM 4088 C ARG B 229 33.495 32.986 62.160 1.00 36 ATOM 4089 C ARG B 229 33.495 32.986 62.160 1.00 36 ATOM 4090 N ASP B 230 30.693 34.455 63.561 1.00 60 ATOM 4091 CA ASP B 230 30.693 35.635 62.438 1.00 31 ATOM 4090 CB ASP B 230 30.693 35.635 62.438 1.00 31 ATOM 4090 CB ASP B 230 30.693 35.635 62.438 1.00 34 ATOM 4090 CB ASP B 230 30.693 35.635 62.438 1.00 34 ATOM 4090 CB ASP B 230 30.693 35.635 62.438 1.00 34 ATOM 4090 CB TYR B 231 33.721 36.575 66.632 1.00 31 ATOM 4101 CG TYR B 231 33.819 39.333 66.6854 1.00 41.	ATOM 4062 NH2 ARG B 226								24.913	65.031	1.00 56	.46
ATOM 4063 C ARG B 226 30.933 30.356 65.886 1.00 38 ATOM 4064 O ARG B 226 31.031 31.144 64.947 1.00 40 ATOM 4065 N THR B 227 31.077 30.745 67.151 1.00 32 ATOM 4066 CA THR B 227 31.476 32.146 67.425 1.00 34 ATOM 4067 CB THR B 227 31.474 32.430 68.937 1.00 37 ATOM 4068 CGI THR B 227 30.160 32.368 69.504 1.00 37 ATOM 4069 CG2 THR B 227 31.977 33.840 69.194 1.00 37 ATOM 4070 C THR B 227 32.728 32.514 66.772 1.00 33 ATOM 4071 O THR B 227 32.728 32.514 66.772 1.00 33 ATOM 4071 O THR B 227 32.728 32.514 66.903 1.00 29 ATOM 4073 CA VAL B 228 35.022 32.021 66.300 1.00 25 ATOM 4073 CA VAL B 228 35.022 32.021 66.300 1.00 25 ATOM 4075 CGI VAL B 228 36.125 31.038 66.728 1.00 27 ATOM 4076 CG2 VAL B 228 36.316 31.066 68.244 1.00 22. ATOM 4077 C VAL B 228 36.316 31.066 68.244 1.00 22. ATOM 4076 CG2 VAL B 228 36.316 31.066 68.244 1.00 25. ATOM 4077 C VAL B 228 34.929 32.108 64.779 1.00 25. ATOM 4078 O VAL B 228 34.929 32.108 64.145 1.00 36. ATOM 4079 N ARG B 229 34.253 31.163 64.145 1.00 36. ATOM 4080 CA ARG B 229 34.253 31.163 64.145 1.00 36. ATOM 4081 CB ARG B 229 34.253 31.163 66.005 1.00 25. ATOM 4082 CG ARG B 229 34.250 30.014 59.828 1.00 37. ATOM 4084 NE ARG B 229 33.083 29.811 60.772 1.00 37. ATOM 4085 CZ ARG B 229 34.250 30.014 59.828 1.00 31. ATOM 4086 CA ARG B 229 33.083 29.811 60.772 1.00 37. ATOM 4087 NH2 ARG B 229 33.083 29.811 60.772 1.00 37. ATOM 4088 C ARG B 229 33.083 29.811 60.772 1.00 37. ATOM 4080 CA ARG B 229 33.083 29.811 60.772 1.00 37. ATOM 4080 CA ARG B 229 33.083 29.811 60.772 1.00 37. ATOM 4080 CA ARG B 229 33.083 29.811 60.772 1.00 37. ATOM 4080 CA ARG B 229 33.083 29.811 60.772 1.00 37. ATOM 4080 CA ARG B 229 33.083 29.811 60.772 1.00 37. ATOM 4080 CA ARG B 229 33.083 29.811 60.772 1.00 37. ATOM 4080 CA ARG B 229 33.083 29.811 60.772 1.00 37. ATOM 4080 CA ARG B 229 33.083 29.811 60.772 1.00 37. ATOM 4080 CA ARG B 229 33.083 36.612 60.089 1.00 32. ATOM 4080 CA ARG B 229 33.080 32.388 60.089 1.00 32. ATOM 4080 CA ARG B 229 33.080 32.388 60.089 1.00 32. ATOM 4080 CA ARG B 229 33.080 32.388 60.089 1.00 3	ATOM 4063 C ARG B 226 30.933 30.356 65.886 1.00 38.04 ATOM 4064 O ARG B 226 31.031 31.144 64.947 1.00 40.50 ATOM 4065 N THR B 227 31.077 30.745 67.151 1.00 32.88 ATOM 4066 CA THR B 227 31.406 32.146 67.425 1.00 34.79 ATOM 4067 CB THR B 227 31.406 32.146 67.425 1.00 34.79 ATOM 4068 0G1 THR B 227 31.474 32.430 68.937 1.00 37.87 ATOM 4069 CG2 THR B 227 31.977 33.840 69.594 1.00 37.73 ATOM 4070 C THR B 227 32.728 32.514 66.772 1.00 33.01 ATOM 4071 C THR B 227 32.728 32.514 66.772 1.00 33.01 ATOM 4071 C THR B 227 32.728 32.514 66.072 1.00 29.02 ATOM 4071 C THR B 228 33.737 31.645 66.903 1.00 29.02 ATOM 4072 N VAL B 228 33.737 31.645 66.903 1.00 29.04 ATOM 4073 CA VAL B 228 33.737 31.645 66.005 1.00 25.89 ATOM 4074 CB VAL B 228 37.419 31.376 66.005 1.00 25.74 ATOM 4075 CG1 VAL B 228 37.419 31.376 66.005 1.00 25.85 ATOM 4076 CG2 VAL B 228 33.486 31.038 64.779 1.00 35.01 ATOM 4077 C VAL B 228 33.459 32.108 64.779 1.00 30.24 ATOM 4078 O VAL B 228 33.459 32.108 64.145 1.00 26.36 ATOM 4079 N ARG B 229 33.466 29.872 62.232 1.00 35.10 ATOM 4081 CB ARG B 229 33.486 29.872 62.232 1.00 35.10 ATOM 4082 CG ARG B 229 33.486 29.872 62.232 1.00 35.74 ATOM 4084 NE ARG B 229 33.486 29.872 62.232 1.00 35.74 ATOM 4085 CZ ARG B 229 33.459 32.986 62.160 1.00 27.58 ATOM 4086 CA ARG B 229 33.459 32.986 62.678 1.00 30.24 ATOM 4087 NH2 ARG B 229 33.459 32.986 62.678 1.00 30.28 ATOM 4088 C ARG B 229 33.459 32.986 62.670 1.00 37.64 ATOM 4080 CA ARG B 229 33.459 32.986 62.600 1.00 37.64 ATOM 4080 CA ARG B 229 33.459 32.986 62.600 1.00 37.84 ATOM 4080 CA ARG B 229 33.459 32.986 62.600 1.00 37.84 ATOM 4080 CA ARG B 229 33.565 62.438 1.00 30.28 ATOM 4080 CA ARG B 229 33.459 32.986 62.600 1.00 37.74 ATOM 4090 CA ARG B 229 33.590 32.946 62.600 1.00 37.74 ATOM 4090 CA ARG B 229 33.590 32.946 62.600 1.00 37.74 ATOM 4090 CA ARG B 229 33.590 32.946 62.600 1.00 37.74 ATOM 4090 CA ARG B 231 33.459 32.986 62.600 1.00 30.67 ATOM 4090 CA ARG B 231 33.459 32.986 62.600 1.00 30.74 ATOM 4090 CA ARG B 231 33.459 32.986 62.600 1.00 33.99 ATOM 4090 CA ARG B 231 33							25.229	25.084	66.127	1.00 38	.23
ATOM 4064 O ARG B 226 31.031 31.144 64.947 1.00 40 ATOM 4065 N THR B 227 31.077 30.745 67.151 1.00 32 ATOM 4066 CA THR B 227 31.406 32.146 67.425 1.00 34 ATOM 4067 CB THR B 227 31.406 32.343 68.937 1.00 37 ATOM 4068 OC1 THR B 227 30.160 32.368 69.504 1.00 44 ATOM 4069 CC2 THR B 227 31.977 33.840 69.194 1.00 37 ATOM 4070 C THR B 227 32.728 32.514 66.772 1.00 33 ATOM 4071 O THR B 227 32.879 33.558 66.136 1.00 29 ATOM 4071 O THR B 228 33.737 31.645 66.903 1.00 29 ATOM 4073 CA VAL B 228 35.022 32.021 66.300 1.00 25 ATOM 4073 CA VAL B 228 36.125 31.038 66.728 1.00 27 ATOM 4074 CB VAL B 228 36.125 31.038 66.728 1.00 27 ATOM 4075 CG1 VAL B 228 36.316 31.066 68.244 1.00 22 ATOM 4075 CG2 VAL B 228 36.316 31.066 68.244 1.00 22 ATOM 4076 CG2 VAL B 228 36.316 31.066 68.244 1.00 22 ATOM 4077 C VAL B 228 36.316 31.066 68.244 1.00 22 ATOM 4078 O VAL B 228 35.454 33.028 64.145 1.00 25 ATOM 4078 O VAL B 228 34.929 32.108 64.779 1.00 25 ATOM 4078 O VAL B 228 34.253 31.163 64.145 1.00 26 ATOM 4078 O VAL B 228 34.253 31.163 64.145 1.00 26 ATOM 4080 CA ARG B 229 34.253 31.163 64.145 1.00 30 ATOM 4080 CB ARG B 229 33.486 29.872 62.232 1.00 35 ATOM 4081 CB ARG B 229 33.486 29.872 62.232 1.00 35 ATOM 4082 CG ARG B 229 33.486 29.872 62.232 1.00 35 ATOM 4084 NE ARG B 229 34.253 31.034 59.828 1.00 31 ATOM 4084 NE ARG B 229 34.253 30.014 59.828 1.00 31 ATOM 4080 NH1 ARG B 229 36.512 29.276 59.439 1.00 32 ATOM 4086 NH1 ARG B 229 36.512 29.276 59.439 1.00 32 ATOM 4087 NH2 ARG B 229 33.459 32.396 62.610 1.00 33 ATOM 4080 N ASP B 230 32.458 32.876 62.897 1.00 30 ATOM 4080 CA ASP B 230 32.458 32.876 62.897 1.00 30 ATOM 4090 CA ASP B 230 32.458 32.876 62.897 1.00 30 ATOM 4090 CA ASP B 230 32.458 32.876 62.897 1.00 30 ATOM 4090 CA ASP B 230 32.458 32.876 62.897 1.00 30 ATOM 4090 CA ASP B 230 32.458 32.876 62.897 1.00 30 ATOM 4090 CA ASP B 230 32.458 32.876 62.897 1.00 30 ATOM 4090 CA ASP B 230 32.458 32.876 62.897 1.00 30 ATOM 4090 CA ASP B 230 32.458 32.876 62.897 1.00 30 ATOM 4090 CA ASP B 230 32.458 32.899 35.635 62.438 1.00 40 ATOM 4090 CA A	ATOM 4065 N THR B 227 31.031 31.144 64.947 1.00 40.50 ATOM 4065 N THR B 227 31.077 30.745 67.151 1.00 34.79 ATOM 4066 CA THR B 227 31.406 32.146 67.425 1.00 34.79 ATOM 4067 CB THR B 227 31.406 32.146 67.425 1.00 34.79 ATOM 4068 OG1 THR B 227 30.160 32.368 69.504 1.00 37.87 ATOM 4069 CG2 THR B 227 31.474 32.430 68.937 1.00 37.87 ATOM 4070 C THR B 227 32.728 32.514 66.772 1.00 33.01 ATOM 4071 O THR B 227 32.879 33.558 66.136 1.00 29.02 ATOM 4072 N VAL B 228 33.737 31.645 66.993 1.00 29.04 ATOM 4073 CA VAL B 228 35.022 32.021 66.300 1.00 25.89 ATOM 4074 CB VAL B 228 36.125 31.038 66.728 1.00 27.50 ATOM 4076 CG2 VAL B 228 36.316 31.066 68.244 1.00 22.05 ATOM 4077 C VAL B 228 34.929 32.108 64.779 1.00 25.85 ATOM 4078 C VAL B 228 34.929 32.108 64.779 1.00 25.85 ATOM 4078 O VAL B 228 34.929 32.108 64.779 1.00 25.85 ATOM 4079 N ARG B 229 34.253 31.163 64.145 1.00 30.24 ATOM 4080 CA ARG B 229 34.253 31.163 64.145 1.00 30.24 ATOM 4080 CA ARG B 229 34.253 31.163 64.145 1.00 30.24 ATOM 4080 CA ARG B 229 34.250 30.014 59.828 1.00 37.64 ATOM 4081 CB ARG B 229 34.250 30.014 59.828 1.00 37.64 ATOM 4082 CG ARG B 229 34.250 30.014 59.828 1.00 37.64 ATOM 4080 CA ARG B 229 34.250 30.014 59.828 1.00 37.64 ATOM 4080 CA ARG B 229 34.250 30.014 59.828 1.00 31.83 ATOM 4080 CA ARG B 229 34.250 30.014 59.828 1.00 31.83 ATOM 4080 CA ARG B 229 34.250 30.014 59.828 1.00 31.83 ATOM 4080 CA ARG B 229 33.486 29.872 62.232 1.00 27.58 ATOM 4080 CA ARG B 229 33.486 29.872 62.232 1.00 37.64 ATOM 4080 CA ARG B 229 33.486 29.872 62.232 1.00 37.64 ATOM 4080 CA ARG B 229 33.486 29.872 62.232 1.00 37.64 ATOM 4080 CA ARG B 229 33.486 29.872 62.232 1.00 37.64 ATOM 4080 CA ARG B 229 33.486 29.872 62.232 1.00 37.64 ATOM 4080 CA ARG B 229 33.486 29.872 62.232 1.00 37.64 ATOM 4080 CA ARG B 229 33.486 38.60 38.8								23.917		1.00 53	.92
ATOM 4065 N THR B 227 31.077 30.745 67.151 1.00 32 ATOM 4066 CA THR B 227 31.406 32.146 67.425 1.00 34 ATOM 4067 CB THR B 227 31.474 32.430 68.937 1.00 37 ATOM 4068 OG1 THR B 227 30.160 32.368 69.504 1.00 44 ATOM 4069 CG2 THR B 227 31.977 33.840 69.194 1.00 37 ATOM 4070 C THR B 227 32.728 32.514 66.772 1.00 33 ATOM 4071 O THR B 227 32.879 33.558 66.136 1.00 29 ATOM 4072 N VAL B 228 33.737 31.645 66.903 1.00 29 ATOM 4073 CA VAL B 228 35.022 32.021 66.300 1.00 29 ATOM 4074 CB VAL B 228 35.022 32.021 66.300 1.00 25 ATOM 4075 CG1 VAL B 228 36.125 31.038 66.728 1.00 27 ATOM 4076 CG2 VAL B 228 36.316 31.066 68.244 1.00 25 ATOM 4077 C VAL B 228 36.316 31.066 68.244 1.00 25 ATOM 4078 N ARG B 229 34.929 32.108 64.179 1.00 36 ATOM 4079 N ARG B 229 34.929 32.108 64.175 1.00 36 ATOM 4080 CA ARG B 229 34.172 31.158 62.678 1.00 30 ATOM 4081 CB ARG B 229 33.486 29.872 62.232 1.00 35 ATOM 4082 CG ARG B 229 33.486 29.872 62.232 1.00 35 ATOM 4084 NE ARG B 229 33.486 29.872 62.232 1.00 35 ATOM 4080 CA ARG B 229 33.486 29.872 62.232 1.00 35 ATOM 4080 CA ARG B 229 33.486 29.872 62.232 1.00 35 ATOM 4080 CA ARG B 229 33.486 29.872 62.232 1.00 35 ATOM 4080 CA ARG B 229 33.486 29.872 62.232 1.00 35 ATOM 4080 CA ARG B 229 33.486 29.872 62.232 1.00 35 ATOM 4080 CA ARG B 229 33.486 29.872 62.232 1.00 35 ATOM 4080 CA ARG B 229 33.486 29.872 62.232 1.00 35 ATOM 4080 CA ARG B 229 33.486 29.872 62.232 1.00 35 ATOM 4080 CA ARG B 229 33.486 29.872 62.232 1.00 35 ATOM 4080 CA ARG B 229 33.485 30.304 69.884 1.00 30 ATOM 4080 CA ARG B 229 33.486 32.876 62.887 1.00 30 ATOM 4080 CA ARG B 229 35.361 29.082 60.089 1.00 32 ATOM 4080 CA ARG B 229 33.485 32.876 62.897 1.00 30 ATOM 4080 CA ARG B 229 33.450 32.946 61.105 30 ATOM 4080 CA ARG B 229 33.450 32.398 62.160 1.00 38 ATOM 4090 N ASP B 230 32.458 32.876 62.488 1.00 40 ATOM 4090 N ASP B 230 32.458 32.876 62.488 1.00 40 ATOM 4090 CA ASP B 230 32.458 32.876 62.488 1.00 40 ATOM 4090 CA ASP B 230 32.458 32.876 62.488 1.00 30 ATOM 4090 CA ASP B 230 32.458 33.721 67.582 1.00 33 ATOM 4090 CA ASP B 230 32.45	ATOM 4065 N THR B 227 31.407 30.745 67.151 1.00 32.88 ATOM 4066 CA THR B 227 31.406 32.146 67.425 1.00 34.798 ATOM 4067 CB THR B 227 30.160 32.368 69.504 1.00 44.90 ATOM 4069 CG2 THR B 227 30.160 32.368 69.504 1.00 44.90 ATOM 4069 CG2 THR B 227 31.977 33.840 69.194 1.00 37.73 ATOM 4070 C THR B 227 32.728 32.514 66.772 1.00 33.01 ATOM 4071 O THR B 227 32.728 32.514 66.772 1.00 33.01 ATOM 4070 C THR B 227 32.879 33.558 66.136 1.00 29.02 ATOM 4073 CA VAL B 228 33.737 31.645 66.903 1.00 29.02 ATOM 4073 CA VAL B 228 35.022 32.021 66.300 1.00 29.04 ATOM 4073 CA VAL B 228 36.125 31.038 66.728 1.00 27.50 ATOM 4075 CG1 VAL B 228 36.125 31.036 66.728 1.00 25.89 ATOM 4076 CG2 VAL B 228 36.316 31.066 68.244 1.00 25.85 ATOM 4077 C VAL B 228 34.929 32.108 64.779 1.00 25.85 ATOM 4078 O VAL B 228 34.929 32.108 64.779 1.00 25.85 ATOM 4078 O VAL B 228 34.929 32.108 64.779 1.00 25.85 ATOM 4078 O VAL B 228 34.929 32.108 64.779 1.00 25.85 ATOM 4080 CA ARG B 229 34.172 31.158 62.678 1.00 30.97 ATOM 4081 CB ARG B 229 33.083 29.811 60.772 1.00 37.60 ATOM 4081 CB ARG B 229 33.083 29.811 60.772 1.00 37.80 ATOM 4080 CA ARG B 229 33.083 29.811 60.772 1.00 37.80 ATOM 4080 CA ARG B 229 33.083 29.811 60.772 1.00 37.80 ATOM 4080 CA ARG B 229 36.515 29.276 59.439 1.00 32.88 ATOM 4080 CA ARG B 229 33.486 29.872 62.232 1.00 35.10 ATOM 4080 CA ARG B 229 33.486 29.872 62.232 1.00 35.10 ATOM 4080 CA ARG B 229 33.485 32.876 62.897 1.00 37.74 ATOM 4080 CA ARG B 229 33.485 32.876 62.897 1.00 37.74 ATOM 4080 CA ARG B 229 33.485 32.876 62.897 1.00 37.74 ATOM 4080 CA ARG B 229 33.495 30.304 58.602 1.00 27.58 ATOM 4080 CA ARG B 229 33.495 32.398 62.160 1.00 38.61 ATOM 4080 CA ARG B 229 33.495 32.398 62.160 1.00 38.61 ATOM 4080 CA ARG B 229 33.459 32.398 62.160 1.00 30.67 ATOM 4080 CA ARG B 229 33.459 32.398 62.160 1.00 30.67 ATOM 4090 CA ARG B 229 33.459 32.398 62.160 1.00 30.67 ATOM 4090 CA ARG B 229 33.459 32.398 62.160 1.00 30.67 ATOM 4090 CA ARG B 230 32.456 36.555 66.632 1.00 62.97 ATOM 4090 CA ARG B 230 32.456 36.657 62.469 1.00 30.67 ATOM 4090 CA A			С					30.356	65.886	1.00 38	.04
ATOM 4066 CA THR B 227 31.406 32.146 67.425 1.00 34 ATOM 4067 CB THR B 227 31.474 32.430 68.937 1.00 37 ATOM 4068 0G1 THR B 227 31.977 33.840 69.504 1.00 44 ATOM 4069 CG2 THR B 227 32.728 32.514 66.772 1.00 37 ATOM 4070 C THR B 227 32.879 33.558 66.136 1.00 29 ATOM 4071 O THR B 227 32.879 33.558 66.136 1.00 29 ATOM 4072 N VAL B 228 33.737 31.645 66.903 1.00 29 ATOM 4073 CA VAL B 228 35.022 32.021 66.300 1.00 25 ATOM 4074 CB VAL B 228 36.125 31.038 66.728 1.00 25 ATOM 4075 CG1 VAL B 228 36.316 31.066 68.244 1.00 25 ATOM 4076 CG2 VAL B 228 36.316 31.066 68.244 1.00 25 ATOM 4077 C VAL B 228 36.316 31.066 68.244 1.00 25 ATOM 4078 O VAL B 228 35.454 33.028 64.175 1.00 36 ATOM 4078 O VAL B 228 34.253 31.163 64.145 1.00 26 ATOM 4078 O VAL B 228 34.253 31.163 64.145 1.00 26 ATOM 4078 O VAL B 228 34.253 31.163 64.145 1.00 36 ATOM 4080 CA ARG B 229 34.253 31.163 64.145 1.00 30 ATOM 4080 CA ARG B 229 34.253 31.163 64.145 1.00 30 ATOM 4080 CA ARG B 229 34.253 31.163 64.145 1.00 30 ATOM 4080 CA ARG B 229 34.250 30.014 59.828 1.00 31 ATOM 4080 CA ARG B 229 34.250 30.014 59.828 1.00 31 ATOM 4080 CA ARG B 229 34.250 30.014 59.828 1.00 31 ATOM 4080 CA ARG B 229 34.250 30.014 59.828 1.00 31 ATOM 4080 CA ARG B 229 36.515 29.276 59.439 1.00 32 ATOM 4080 CA ARG B 229 36.515 30.304 58.602 1.00 37 ATOM 4080 CA ARG B 229 36.515 30.304 58.602 1.00 37 ATOM 4080 CA ARG B 229 37.576 28.513 59.590 1.00 33 ATOM 4080 CA ARG B 229 37.576 28.513 59.590 1.00 33 ATOM 4080 CA ARG B 229 37.576 28.513 59.590 1.00 33 ATOM 4080 CA ARG B 229 37.576 28.513 59.590 1.00 33 ATOM 4090 CA ARG B 229 33.893 32.3986 62.160 1.00 40 ATOM 4091 CA ASP B 230 30.693 34.455 63.561 1.00 40 ATOM 4090 CA ARG B 229 33.893 32.3986 62.160 30 ATOM 4090 CA ARG B 229 37.576 28.513 59.590 1.00 33 ATOM 4090 CA ARG B 229 37.576 28.513 59.590 1.00 33 ATOM 4090 CA ARG B 229 37.576 28.513 59.590 1.00 33 ATOM 4090 CA ARG B 229 37.576 62.469 1.00 40 ATOM 4090 CA ARG B 229 37.576 62.469 1.00 40 ATOM 4090 CA ARG B 229 37.576 62.469 1.00 30 ATOM 4090 CA ARG B 230 32.466 62.464 63.395 1.	ATOM 4066 CA THR B 227		4064	0	ARG	В			31.144	64.947	1.00 40	.50
ATOM 4067 CB THR B 227 30.160 32.368 69.504 1.00 37 ATOM 4068 OG1 THR B 227 30.160 32.368 69.504 1.00 34 ATOM 4069 CG2 THR B 227 31.977 33.840 69.194 1.00 37 ATOM 4070 C THR B 227 32.728 32.514 66.772 1.00 33 ATOM 4071 O THR B 227 32.879 33.558 66.136 1.00 29 ATOM 4072 N VAL B 228 35.022 32.021 66.300 1.00 25 ATOM 4073 CA VAL B 228 35.022 32.021 66.300 1.00 25 ATOM 4074 CB VAL B 228 35.022 32.021 66.300 1.00 25 ATOM 4075 CG1 VAL B 228 37.419 31.376 66.005 1.00 25 ATOM 4076 CG2 VAL B 228 36.316 31.066 68.244 1.00 22 ATOM 4077 C VAL B 228 36.316 31.066 68.244 1.00 22 ATOM 4077 C VAL B 228 36.316 31.066 68.244 1.00 25 ATOM 4078 O VAL B 228 35.454 33.028 64.145 1.00 36 ATOM 4080 CA ARG B 229 34.253 31.163 64.145 1.00 36 ATOM 4080 CA ARG B 229 33.486 29.872 62.232 1.00 35 ATOM 4081 CB ARG B 229 33.486 29.872 62.232 1.00 35 ATOM 4082 CG ARG B 229 34.250 30.014 59.828 1.00 37 ATOM 4083 CD ARG B 229 36.512 29.276 59.439 1.00 32 ATOM 4084 NE ARG B 229 36.512 29.276 59.439 1.00 32 ATOM 4086 NH1 ARG B 229 36.551 29.276 59.439 1.00 32 ATOM 4087 NH2 ARG B 229 33.459 32.398 62.160 1.00 38 ATOM 4080 CA ARG B 229 36.552 29.276 59.439 1.00 32 ATOM 4080 CA ARG B 229 36.512 29.276 59.439 1.00 32 ATOM 4080 CA ARG B 229 36.552 29.276 59.439 1.00 32 ATOM 4080 CA ARG B 229 36.552 29.276 59.439 1.00 32 ATOM 4080 CA ARG B 229 36.552 29.276 59.439 1.00 32 ATOM 4080 CA ARG B 229 36.552 29.276 59.439 1.00 32 ATOM 4080 CA ARG B 229 36.552 30.304 58.602 1.00 27 ATOM 4080 CA ARG B 229 36.552 30.304 68.264 1.00 30 ATOM 4080 CA ARG B 229 36.555 30.304 68.636 1.00 30 ATOM 4080 CA ARG B 229 36.552 30.304 58.602 1.00 30 ATOM 4080 CA ARG B 229 36.555 30.304 68.636 1.00 30 ATOM 4080 CA ARG B 229 36.555 30.304 68.636 1.00 30 ATOM 4080 CA ARG B 229 36.555 30.304 68.636 1.00 30 ATOM 4080 CA ARG B 229 36.555 30.304 68.636 1.00 30 ATOM 4080 CA ARG B 229 33.455 32.398 62.160 1.00 30 ATOM 4090 CA ARG B 229 36.555 66.632 1.00 31 ATOM 4090 CA ARG B 229 36.555 66.632 1.00 31 ATOM 4090 CA ARG B 230 32.777 35.287 62.469 1.00 33 ATOM 4090 CA TYR B 231 34.4680 3	ATOM 4067 CB THR B 227 31.474 32.430 68.937 1.00 37.87 ATOM 4068 OG1 THR B 227 30.160 32.368 69.504 1.00 44.90 ATOM 4069 CG2 THR B 227 32.728 32.514 66.772 1.00 33.01 ATOM 4071 O THR B 227 32.879 33.558 66.136 1.00 29.02 ATOM 4072 N VAL B 228 33.737 31.645 66.903 1.00 29.04 ATOM 4073 CA VAL B 228 35.022 32.021 66.300 1.00 25.89 ATOM 4074 CB VAL B 228 36.125 31.038 66.728 1.00 27.50 ATOM 4075 CG1 VAL B 228 36.316 31.066 68.244 1.00 27.50 ATOM 4077 C VAL B 228 36.316 31.066 68.244 1.00 27.50 ATOM 4077 C VAL B 228 36.316 31.066 68.244 1.00 22.05 ATOM 4077 C VAL B 228 36.316 31.066 68.244 1.00 22.05 ATOM 4079 N ARG B 229 34.253 31.163 64.145 1.00 25.85 ATOM 4079 N ARG B 229 34.253 31.163 64.145 1.00 30.97 ATOM 4080 CA ARG B 229 34.253 31.163 64.145 1.00 30.97 ATOM 4081 CB ARG B 229 34.253 31.163 66.078 1.00 30.97 ATOM 4081 CB ARG B 229 34.253 31.036 64.145 1.00 30.97 ATOM 4084 NE ARG B 229 33.486 29.811 60.772 1.00 33.81 ATOM 4084 NE ARG B 229 34.250 30.014 59.828 1.00 33.84 ATOM 4084 NE ARG B 229 34.250 30.014 59.828 1.00 33.84 ATOM 4084 NE ARG B 229 34.250 30.014 59.828 1.00 33.83 ATOM 4085 CZ ARG B 229 36.535 30.304 58.602 1.00 27.58 ATOM 4086 NH1 ARG B 229 36.535 30.304 58.602 1.00 27.58 ATOM 4086 NH2 ARG B 229 36.535 30.304 58.602 1.00 27.58 ATOM 4087 NH2 ARG B 229 37.576 28.513 59.590 1.00 32.88 ATOM 4085 CZ ARG B 229 37.576 28.513 59.590 1.00 33.74 ATOM 4080 CA ARG B 229 33.809 32.946 61.105 1.00 36.62 ATOM 4090 N ARG B 229 33.809 32.946 61.105 1.00 36.62 ATOM 4091 CA ARG B 229 33.809 32.946 62.508 1.00 30.67 ATOM 4091 CA ARG B 229 33.809 32.946 62.508 1.00 30.67 ATOM 4091 CA ARG B 229 33.809 32.946 62.508 1.00 30.67 ATOM 4090 CA ARG B 229 33.809 32.946 62.508 1.00 30.67 ATOM 4090 CA ARG B 229 33.809 32.946 62.508 1.00 30.67 ATOM 4091 CA ARG B 229 33.809 32.946 62.508 1.00 30.67 ATOM 4090 CA ARG B 229 33.809 32.946 62.508 1.00 30.67 ATOM 4090 CA ARG B 230 32.945 32.876 62.489 1.00 30.67 ATOM 4090 CA ARG B 230 32.945 32.876 62.489 1.00 30.67 ATOM 4090 CA ARG B 230 32.945 32.945 62.548 1.00 40.26 ATOM 4090 CA	ATOM		N	THR	В	227	31.077	30.745	67.151	1.00 32	.88
ATOM 4068 OG1 THR B 227 30.160 32.368 69.504 1.00 44 ATOM 4069 CG2 THR B 227 31.977 33.840 69.194 1.00 37 ATOM 4070 C THR B 227 32.879 33.558 66.136 1.00 29 ATOM 4071 O THR B 227 32.879 33.558 66.136 1.00 29 ATOM 4072 N VAL B 228 35.022 32.021 66.300 1.00 29 ATOM 4073 CA VAL B 228 35.022 32.021 66.300 1.00 29 ATOM 4074 CB VAL B 228 35.022 32.01 66.300 1.00 25 ATOM 4075 CG1 VAL B 228 36.125 31.038 66.728 1.00 27 ATOM 4076 CG2 VAL B 228 36.125 31.038 66.728 1.00 27 ATOM 4077 C VAL B 228 36.316 31.066 68.244 1.00 25 ATOM 4077 C VAL B 228 36.316 31.066 68.244 1.00 25 ATOM 4078 O VAL B 228 35.454 33.028 64.175 1.00 25 ATOM 4079 N ARG B 229 34.253 31.163 64.145 1.00 30 ATOM 4080 CA ARG B 229 34.172 31.158 62.678 1.00 30 ATOM 4081 CB ARG B 229 33.486 29.872 62.232 1.00 35 ATOM 4082 CG ARG B 229 34.250 30.014 59.828 1.00 37 ATOM 4083 CD ARG B 229 34.250 30.014 59.828 1.00 37 ATOM 4084 NE ARG B 229 36.512 29.276 59.439 1.00 32 ATOM 4086 NH1 ARG B 229 36.5512 29.276 59.439 1.00 32 ATOM 4086 NH1 ARG B 229 36.5512 29.276 59.439 1.00 32 ATOM 4087 NH2 ARG B 229 33.459 32.398 62.160 1.00 27 ATOM 4080 C ARG B 229 33.459 32.398 62.160 1.00 32 ATOM 4080 C ARG B 229 36.5512 29.276 59.439 1.00 32 ATOM 4080 C ARG B 229 36.5512 29.276 59.439 1.00 32 ATOM 4080 C ARG B 229 33.459 32.398 62.160 1.00 32 ATOM 4080 C ARG B 229 33.459 32.398 62.160 1.00 32 ATOM 4080 C ARG B 229 33.459 32.398 62.160 1.00 36 ATOM 4090 N ASP B 230 30.693 34.455 63.561 1.00 40 ATOM 4091 CA ASP B 230 30.693 34.455 63.561 1.00 40 ATOM 4092 CB ASP B 230 30.693 35.704 63.234 1.00 61 ATOM 4093 CG ASP B 230 32.777 35.287 62.469 1.00 30 ATOM 4090 C ASP B 230 32.777 35.287 62.469 1.00 33 ATOM 4090 C ASP B 230 32.777 35.287 62.469 1.00 33 ATOM 4090 C ASP B 230 32.777 35.287 62.469 1.00 33 ATOM 4090 C ASP B 230 32.777 35.287 62.469 1.00 33 ATOM 4090 C ASP B 231 34.680 36.464 63.395 1.00 33. ATOM 4000 CB TYR B 231 34.545 37.304 65.758 1.00 34. ATOM 4100 CB TYR B 231 34.545 37.304 65.758 1.00 34. ATOM 4100 CB TYR B 231 34.545 37.304 65.758 1.00 34.	ATOM 4068 OG1 THR B 227 30.160 32.368 69.504 1.00 44.90 ATOM 4069 CG2 THR B 227 31.977 33.840 69.194 1.00 37.73 ATOM 4070 C THR B 227 32.879 33.558 66.136 1.00 29.02 ATOM 4071 O THR B 227 32.879 33.558 66.136 1.00 29.02 ATOM 4072 N VAL B 228 33.737 31.645 66.903 1.00 29.04 ATOM 4073 CA VAL B 228 35.022 32.021 66.300 1.00 25.89 ATOM 4073 CA VAL B 228 35.022 32.016 66.005 1.00 25.89 ATOM 4074 CB VAL B 228 36.125 31.038 66.728 1.00 27.50 ATOM 4076 CG2 VAL B 228 36.125 31.038 66.728 1.00 25.74 ATOM 4076 CG2 VAL B 228 36.316 31.066 68.244 1.00 22.05 ATOM 4077 C VAL B 228 35.454 33.028 64.175 1.00 26.36 ATOM 4077 C VAL B 228 35.454 33.028 64.175 1.00 26.36 ATOM 4078 O VAL B 228 35.454 33.028 64.175 1.00 26.36 ATOM 4079 N ARG B 229 34.1253 31.163 64.145 1.00 30.24 ATOM 4080 CA ARG B 229 34.172 31.158 62.678 1.00 35.10 ATOM 4081 CB ARG B 229 33.486 29.872 62.232 1.00 35.10 ATOM 4081 CB ARG B 229 33.486 29.872 62.232 1.00 35.10 ATOM 4083 CD ARG B 229 33.283 29.811 60.772 1.00 37.64 ATOM 4084 NE ARG B 229 36.512 29.276 59.439 1.00 32.88 ATOM 4086 NH1 ARG B 229 36.512 29.276 59.439 1.00 32.88 ATOM 4086 NH1 ARG B 229 36.512 29.276 59.439 1.00 32.88 ATOM 4086 NH1 ARG B 229 33.459 32.398 62.160 1.00 27.58 ATOM 4080 C ARG B 229 33.459 32.398 62.160 1.00 37.64 ATOM 4080 C ARG B 229 33.459 32.398 62.160 1.00 37.64 ATOM 4080 C ARG B 229 33.459 32.398 62.160 1.00 37.64 ATOM 4080 C ARG B 229 33.459 32.398 62.160 1.00 37.64 ATOM 4080 C ARG B 229 33.459 32.398 62.160 1.00 37.64 ATOM 4080 C ARG B 229 33.459 32.398 62.160 1.00 30.28 ATOM 4090 C ARG B 229 33.459 32.398 62.160 1.00 30.67 ATOM 4080 C ARG B 229 33.459 32.398 62.160 1.00 30.67 ATOM 4080 C ARG B 229 33.459 32.398 62.160 1.00 30.67 ATOM 4090 C ARG B 229 33.459 32.398 62.160 1.00 30.67 ATOM 4091 CA ASP B 230 32.456 63.561 1.00 40.26 ATOM 4091 CA ASP B 230 32.456 63.561 1.00 40.26 ATOM 4094 CD ASP B 230 32.456 63.561 1.00 30.28 ATOM 4090 C ASP B 230 32.456 63.561 1.00 30.97 ATOM 4094 CD ASP B 230 32.456 63.561 1.00 30.97 ATOM 4094 CD ASP B 231 33.4545 37.304 65.758 1.00 33.95	ATOM	4066	CA	THR	В			32.146	67.425	1.00 34	.79
ATOM	ATOM 4069 CG2 THR B 227 31.977 33.840 69.194 1.00 37.73 ATOM 4070 C THR B 227 32.728 32.514 66.772 1.00 33.01 ATOM 4071 O THR B 227 32.879 33.558 66.136 1.00 29.02 ATOM 4072 N VAL B 228 33.737 31.645 66.903 1.00 29.02 ATOM 4073 CA VAL B 228 35.022 32.021 66.300 1.00 25.89 ATOM 4074 CB VAL B 228 36.125 31.038 66.728 1.00 27.50 ATOM 4075 CG1 VAL B 228 36.316 31.066 68.244 1.00 22.05 ATOM 4076 CG2 VAL B 228 36.316 31.066 68.244 1.00 22.05 ATOM 4077 C VAL B 228 36.316 31.066 68.244 1.00 22.05 ATOM 4077 C VAL B 228 34.929 32.108 64.779 1.00 25.85 ATOM 4078 O VAL B 228 34.929 32.108 64.779 1.00 25.85 ATOM 4078 O VAL B 228 34.253 31.163 66.126 1.00 30.24 ATOM 4080 CA ARG B 229 34.253 31.163 62.678 1.00 30.97 ATOM 4081 CB ARG B 229 34.253 31.163 62.678 1.00 30.97 ATOM 4081 CB ARG B 229 34.250 30.014 59.828 1.00 31.83 ATOM 4084 NE ARG B 229 34.250 30.014 59.828 1.00 31.83 ATOM 4084 NE ARG B 229 34.250 30.014 59.828 1.00 31.83 ATOM 4086 NH1 ARG B 229 36.535 30.304 58.602 1.00 32.94 ATOM 4086 NH1 ARG B 229 37.576 28.513 59.590 1.00 33.74 ATOM 4088 C ARG B 229 37.576 28.513 59.590 1.00 33.74 ATOM 4080 CA ASP B 230 33.459 32.398 62.160 1.00 30.642 ATOM 4080 CA ASP B 230 33.459 32.398 62.160 1.00 30.642 ATOM 4080 CA ASP B 230 33.809 32.946 61.105 1.00 36.42 ATOM 4080 NA ASP B 230 33.809 32.946 61.105 1.00 36.42 ATOM 4090 N ASP B 230 33.459 32.398 62.160 1.00 30.642 ATOM 4090 N ASP B 230 30.244 36.779 63.781 1.00 62.97 ATOM 4090 CA ASP B 230 30.244 36.779 63.781 1.00 62.97 ATOM 4090 CA ASP B 230 30.234 36.579 63.781 1.00 62.97 ATOM 4090 CA ASP B 230 30.234 36.579 63.781 1.00 30.28 ATOM 4090 CA ASP B 230 32.458 32.876 62.897 1.00 33.642 ATOM 4090 CA ASP B 230 32.458 32.876 62.897 1.00 30.62 ATOM 4090 CA ASP B 230 32.458 32.876 62.897 1.00 30.62 ATOM 4090 CA ASP B 230 32.458 32.876 62.897 1.00 30.62 ATOM 4090 CA TRR B 231 33.732 35.352 63.398 1.00 33.95 ATOM 4090 CA TRR B 231 33.732 35.352 63.398 1.00 33.95 ATOM 4090 CA TRR B 231 33.732 35.352 63.398 1.00 33.95 ATOM 4090 CA TRR B 231 33.4545 37.304 65.785 1.00 44.93 ATOM 4000 C											.87
ATOM	ATOM 4070 C THR B 227 32.728 32.514 66.772 1.00 33.01 ATOM 4071 O THR B 227 32.879 33.558 66.136 1.00 29.02 ATOM 4072 N VAL B 228 33.737 31.645 66.903 1.00 29.02 ATOM 4073 CA VAL B 228 35.022 32.021 66.300 1.00 25.89 ATOM 4074 CB VAL B 228 35.022 32.021 66.300 1.00 25.89 ATOM 4075 CGI VAL B 228 37.419 31.376 66.005 1.00 25.89 ATOM 4076 CG2 VAL B 228 37.419 31.376 66.005 1.00 25.75 ATOM 4076 CG2 VAL B 228 36.316 31.066 68.244 1.00 22.05 ATOM 4077 C VAL B 228 36.316 31.066 68.244 1.00 22.05 ATOM 4078 O VAL B 228 34.929 32.108 64.779 1.00 25.85 ATOM 4079 N ARG B 229 34.253 31.163 64.145 1.00 30.24 ATOM 4080 CA ARG B 229 34.172 31.158 62.678 1.00 30.24 ATOM 4080 CA ARG B 229 33.486 29.872 62.232 1.00 35.10 ATOM 4082 CG ARG B 229 33.083 29.811 60.772 1.00 37.64 ATOM 4084 NE ARG B 229 33.286 29.812 60.089 1.00 32.88 ATOM 4085 CZ ARG B 229 36.516 29.082 60.089 1.00 32.88 ATOM 4086 NH1 ARG B 229 36.555 30.304 58.602 1.00 27.58 ATOM 4080 CA ARG B 229 36.555 30.304 58.602 1.00 32.88 ATOM 4086 NH1 ARG B 229 36.555 30.304 58.602 1.00 32.88 ATOM 4086 NH1 ARG B 229 33.459 32.398 62.160 1.00 32.84 ATOM 4080 CA ARG B 229 33.459 32.398 62.160 1.00 33.64 ATOM 4080 CA ARG B 229 33.459 32.398 62.160 1.00 33.74 ATOM 4080 CA ARG B 229 33.459 32.398 62.160 1.00 33.74 ATOM 4080 CA ARG B 229 33.459 32.398 62.160 1.00 33.64 ATOM 4080 CA ARG B 229 33.459 32.398 62.160 1.00 33.74 ATOM 4080 CA ARG B 229 33.459 32.398 62.160 1.00 36.42 ATOM 4090 N ASP B 230 32.458 32.876 62.897 1.00 30.67 ATOM 4090 N ASP B 230 32.458 32.876 62.897 1.00 30.67 ATOM 4090 CA ASP B 230 32.458 32.876 62.499 1.00 36.42 ATOM 4090 CA ASP B 230 32.458 32.876 62.499 1.00 36.42 ATOM 4090 CB ASP B 230 32.458 32.876 62.499 1.00 36.42 ATOM 4090 CB ASP B 230 32.458 32.876 62.499 1.00 38.62 ATOM 4090 CB ASP B 230 32.458 32.876 62.499 1.00 38.62 ATOM 4090 CB TYR B 231 33.721 36.575 66.632 1.00 31.94 ATOM 4090 CB TYR B 231 33.721 36.575 66.632 1.00 31.94 ATOM 4090 CB TYR B 231 33.721 36.596 64.743 1.00 28.40 ATOM 4090 CB TYR B 231 33.721 36.595 66.595 1.00 31.94 ATOM 4100 CB	ATOM	4068			В	227	30.160		69.504	1.00 44	. 90
ATOM	ATOM 4071 O THR B 227	MOTA	4069	CG2	THR	В	227	31.977	33.840	69.194	1.00 37	.73
ATOM	ATOM 4072 N VAL B 228 33.737 31.645 66.903 1.00 29.04 ATOM 4073 CA VAL B 228 35.022 32.021 66.300 1.00 25.89 ATOM 4074 CB VAL B 228 36.125 31.038 66.728 1.00 27.50 ATOM 4075 CG1 VAL B 228 36.125 31.038 66.728 1.00 27.50 ATOM 4075 CG1 VAL B 228 36.316 31.066 68.244 1.00 22.05 ATOM 4076 CG2 VAL B 228 34.929 32.108 64.779 1.00 25.84 ATOM 4077 C VAL B 228 34.929 32.108 64.779 1.00 25.85 ATOM 4078 O VAL B 228 35.454 33.028 64.145 1.00 26.36 ATOM 4079 N ARG B 229 34.253 31.163 64.145 1.00 30.24 ATOM 4080 CA ARG B 229 34.172 31.158 62.678 1.00 30.97 ATOM 4081 CB ARG B 229 33.486 29.872 62.232 1.00 35.10 ATOM 4082 CG ARG B 229 33.083 29.811 60.772 1.00 37.64 ATOM 4080 CA ARG B 229 33.083 29.811 60.772 1.00 37.64 ATOM 4080 CA ARG B 229 34.250 30.014 59.828 1.00 31.83 ATOM 4084 NE ARG B 229 36.512 29.276 59.439 1.00 32.88 ATOM 4085 CZ ARG B 229 36.512 29.276 59.439 1.00 32.88 ATOM 4086 NH1 ARG B 229 36.512 29.276 59.439 1.00 32.74 ATOM 4080 CA ARG B 229 33.459 32.398 62.160 1.00 37.74 ATOM 4080 CA ARG B 229 33.6535 30.304 58.602 1.00 27.58 ATOM 4080 N ASP B 230 32.458 32.876 62.897 1.00 33.74 ATOM 4080 CA ARG B 229 33.6535 30.304 58.602 1.00 33.74 ATOM 4080 CA ARG B 229 33.6535 30.304 58.602 1.00 33.74 ATOM 4080 CA ARG B 229 33.899 32.946 61.105 1.00 36.42 ATOM 4090 N ASP B 230 32.458 32.876 62.897 1.00 30.67 ATOM 4090 N ASP B 230 32.458 32.876 62.897 1.00 30.67 ATOM 4091 CA ASP B 230 32.458 32.876 62.897 1.00 30.67 ATOM 4092 CB ASP B 230 30.693 34.455 63.561 1.00 50.06 ATOM 4093 CG ASP B 230 32.458 32.876 62.438 1.00 74.52 ATOM 4090 CA ASP B 230 32.458 32.876 62.438 1.00 74.52 ATOM 4090 CA ASP B 230 32.458 32.876 62.438 1.00 38.62 ATOM 4090 CA ASP B 230 32.458 32.876 62.438 1.00 38.62 ATOM 4090 CA ASP B 230 32.458 32.876 62.438 1.00 38.62 ATOM 4090 CA ASP B 230 32.458 32.876 62.438 1.00 30.67 ATOM 4090 CA TYR B 231 33.732 35.552 63.398 1.00 33.95 ATOM 4090 CA TYR B 231 33.732 35.552 63.398 1.00 30.28 ATOM 4000 CB TYR B 231 33.732 35.555 66.632 1.00 39.71 ATOM 4100 CB TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4100 C	ATOM	4070	С					32.514	66.772	1.00 33	.01
ATOM	ATOM 4073 CA VAL B 228 35.022 32.021 66.300 1.00 25.89 ATOM 4074 CB VAL B 228 36.125 31.038 66.728 1.00 27.50 ATOM 4075 CG1 VAL B 228 37.419 31.376 66.005 1.00 25.74 ATOM 4076 CG2 VAL B 228 36.316 31.066 68.244 1.00 22.05 ATOM 4077 C VAL B 228 36.316 31.066 68.244 1.00 22.05 ATOM 4078 O VAL B 228 34.929 32.108 64.779 1.00 25.85 ATOM 4079 N ARG B 229 34.253 31.163 64.145 1.00 26.36 ATOM 4080 CA ARG B 229 34.253 31.163 64.145 1.00 30.97 ATOM 4081 CB ARG B 229 34.172 31.158 62.678 1.00 35.10 ATOM 4082 CG ARG B 229 33.083 29.811 60.772 1.00 37.64 ATOM 4083 CD ARG B 229 34.250 30.014 59.828 1.00 31.83 ATOM 4084 NE ARG B 229 34.250 30.014 59.828 1.00 32.88 ATOM 4085 CZ ARG B 229 36.512 29.276 59.439 1.00 32.88 ATOM 4086 NH1 ARG B 229 36.535 30.304 58.602 1.00 27.58 ATOM 4086 NH2 ARG B 229 33.459 32.398 62.160 1.00 30.67 ATOM 4088 C ARG B 229 33.459 32.398 62.160 1.00 30.67 ATOM 4089 O ARG B 229 33.459 32.398 62.160 1.00 30.67 ATOM 4090 N ASP B 230 32.458 32.876 62.897 1.00 30.67 ATOM 4091 CA ASP B 230 32.458 32.876 62.897 1.00 30.67 ATOM 4092 CB ASP B 230 30.693 34.455 63.561 1.00 40.26 ATOM 4093 CG ASP B 230 30.234 36.779 63.781 1.00 62.97 ATOM 4094 OD1 ASP B 230 30.234 36.779 63.781 1.00 62.97 ATOM 4096 C ASP B 230 32.458 32.876 62.438 1.00 74.52 ATOM 4090 N ASP B 230 30.234 36.779 63.781 1.00 62.97 ATOM 4090 N ASP B 230 30.234 36.779 63.781 1.00 62.97 ATOM 4090 C ASP B 230 32.777 35.287 62.469 1.00 33.95 ATOM 4090 C ASP B 230 32.777 35.287 62.469 1.00 33.95 ATOM 4090 C ASP B 231 33.721 36.575 66.632 1.00 31.94 ATOM 4090 C ASP B 231 33.972 36.575 66.632 1.00 31.94 ATOM 4100 CB TYR B 231 33.965 37.221 67.582 1.00 39.71 ATOM 4104 CZ TYR B 231 33.963 39.333 66.854 1.00 41.23	MOTA		0	THR	В	227	32.879	33.558		1.00 29	.02
ATOM	ATOM 4074 CB VAL B 228 36.125 31.038 66.728 1.00 27.50 ATOM 4075 CGI VAL B 228 37.419 31.376 66.005 1.00 25.74 ATOM 4076 CG2 VAL B 228 36.316 31.066 68.244 1.00 22.05 ATOM 4077 C VAL B 228 34.929 32.108 64.779 1.00 25.85 ATOM 4078 O VAL B 228 35.454 33.028 64.145 1.00 26.36 ATOM 4079 N ARG B 229 34.253 31.163 64.145 1.00 30.24 ATOM 4080 CA ARG B 229 34.172 31.158 62.678 1.00 30.97 ATOM 4081 CB ARG B 229 33.486 29.872 62.232 1.00 35.10 ATOM 4082 CG ARG B 229 33.486 29.872 62.232 1.00 35.10 ATOM 4083 CD ARG B 229 33.083 29.811 60.772 1.00 37.64 ATOM 4084 NE ARG B 229 35.361 29.082 60.089 1.00 32.88 ATOM 4085 CZ ARG B 229 36.512 29.276 59.439 1.00 32.84 ATOM 4086 NH1 ARG B 229 36.535 30.304 58.602 1.00 27.58 ATOM 4088 C ARG B 229 33.459 32.398 62.160 1.00 38.61 ATOM 4089 O ARG B 229 33.459 32.398 62.160 1.00 38.61 ATOM 4080 N ASP B 230 32.458 32.876 62.897 1.00 30.67 ATOM 4090 N ASP B 230 32.458 32.876 62.897 1.00 30.67 ATOM 4091 CA ASP B 230 32.458 32.876 62.897 1.00 30.67 ATOM 4092 CB ASP B 230 32.458 32.876 62.897 1.00 30.67 ATOM 4093 CG ASP B 230 30.693 34.455 63.561 1.00 60.26 ATOM 4094 OD1 ASP B 230 32.458 32.876 62.438 1.00 40.26 ATOM 4095 OD2 ASP B 230 32.458 32.876 62.438 1.00 40.26 ATOM 4090 N ASP B 230 32.458 32.876 62.438 1.00 40.26 ATOM 4091 CA ASP B 230 32.458 32.876 62.438 1.00 40.26 ATOM 4094 OD1 ASP B 230 32.458 32.876 62.438 1.00 61.05 ATOM 4095 OD2 ASP B 230 32.458 32.876 62.438 1.00 62.97 ATOM 4096 C ASP B 230 32.458 32.876 62.438 1.00 38.62 ATOM 4097 O ASP B 230 32.458 32.876 62.438 1.00 38.62 ATOM 4099 CA TYR B 231 33.732 35.635 62.438 1.00 33.95 ATOM 4090 CB TYR B 231 34.545 37.04 65.783 1.00 31.94 ATOM 4100 CB TYR B 231 33.721 36.575 66.632 1.00 31.04 ATOM 4101 CG TYR B 231 34.545 37.241 67.582 1.00 39.71 ATOM 4104 CZ TYR B 231 33.006 38.593 66.854 1.00 41.23	MOTA	4072	N	VAL	В	228	33.737	31.645	66.903	1.00 29	.04
ATOM	ATOM 4075 CG1 VAL B 228 37.419 31.376 66.005 1.00 25.74 ATOM 4076 CG2 VAL B 228 36.316 31.066 68.244 1.00 22.05 ATOM 4077 C VAL B 228 34.929 32.108 64.779 1.00 25.85 ATOM 4078 O VAL B 228 35.454 33.028 64.779 1.00 25.85 ATOM 4079 N ARG B 229 34.253 31.163 64.145 1.00 30.24 ATOM 4080 CA ARG B 229 34.172 31.158 62.678 1.00 30.97 ATOM 4081 CB ARG B 229 33.486 29.872 62.232 1.00 35.10 4070 4081 CD ARG B 229 33.486 29.872 62.232 1.00 35.10 4081 ATOM 4082 CG ARG B 229 34.250 30.014 59.828 1.00 31.83 ATOM 4084 NE ARG B 229 35.361 29.082 60.089 1.00 32.88 ATOM 4085 CZ ARG B 229 35.361 29.082 60.089 1.00 32.88 ATOM 4086 NH1 ARG B 229 36.535 30.304 58.602 1.00 27.58 ATOM 4086 NH1 ARG B 229 36.535 30.304 58.602 1.00 27.58 ATOM 4086 NH1 ARG B 229 37.576 28.513 59.590 1.00 33.74 ATOM 4089 C ARG B 229 33.459 32.398 62.160 1.00 37.74 ATOM 4080 C ARG B 229 33.459 32.398 62.160 1.00 30.67 ATOM 4090 N ASP B 230 32.458 32.876 62.897 1.00 30.67 ATOM 4091 CA ASP B 230 32.458 32.876 62.897 1.00 30.67 ATOM 4091 CA ASP B 230 30.693 34.128 62.548 1.00 40.26 ATOM 4091 CA ASP B 230 30.693 34.128 62.548 1.00 40.26 ATOM 4093 CG ASP B 230 30.693 34.128 62.548 1.00 61.05 ATOM 4094 OD1 ASP B 230 30.234 36.779 63.781 1.00 62.97 ATOM 4095 OD2 ASP B 230 32.9903 35.704 63.234 1.00 61.05 ATOM 4095 OD2 ASP B 230 32.9903 35.704 63.234 1.00 61.05 ATOM 4095 OD2 ASP B 230 32.8939 35.635 62.438 1.00 74.52 ATOM 4096 C ASP B 230 32.777 35.287 62.469 1.00 38.62 ATOM 4090 C ASP B 230 32.777 35.287 62.469 1.00 38.62 ATOM 4090 C ASP B 230 32.777 35.287 62.469 1.00 38.62 ATOM 4090 C ASP B 231 33.721 36.575 66.632 1.00 31.94 ATOM 4100 CB TYR B 231 34.585 37.204 65.783 1.00 31.94 ATOM 4101 CG TYR B 231 33.721 36.575 66.632 1.00 31.04 ATOM 4103 CE1 TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 CH TYR B 231 33.006 38.593 66.854 1.00 41.23	MOTA	4073	CA	VAL	В	228	35.022	32.021	66.300	1.00 25	.89
ATOM	ATOM	MOTA	4074	CB	VAL	В	228	36.125	31.038	66.728	1.00 27	.50
ATOM 4077 C VAL B 228 34.929 32.108 64.779 1.00 25. ATOM 4078 O VAL B 228 35.454 33.028 64.145 1.00 26. ATOM 4079 N ARG B 229 34.253 31.163 64.145 1.00 30. ATOM 4080 CA ARG B 229 34.172 31.158 62.678 1.00 30. ATOM 4081 CB ARG B 229 33.486 29.872 62.232 1.00 35. ATOM 4082 CG ARG B 229 33.083 29.811 60.772 1.00 37. ATOM 4083 CD ARG B 229 33.083 29.811 60.772 1.00 37. ATOM 4084 NE ARG B 229 35.361 29.082 60.089 1.00 32. ATOM 4085 CZ ARG B 229 36.512 29.276 59.439 1.00 32. ATOM 4086 NH1 ARG B 229 36.515 30.304 58.602 1.00 27. ATOM 4088 NH2 ARG B 229 37.576 28.513 59.590 1.00 33. ATOM 4088 C ARG B 229 33.459 32.398 62.160 1.00 38. ATOM 4089 O ARG B 229 33.459 32.398 62.160 1.00 38. ATOM 4080 N ASP B 230 32.458 32.876 62.897 1.00 30. ATOM 4090 N ASP B 230 32.458 32.876 62.897 1.00 30. ATOM 4092 CB ASP B 230 30.693 34.455 63.561 1.00 62. ATOM 4093 CG ASP B 230 30.234 36.779 63.781 1.00 62. ATOM 4094 OD1 ASP B 230 30.234 36.779 63.781 1.00 62. ATOM 4095 OD2 ASP B 230 30.234 36.779 63.781 1.00 62. ATOM 4095 OD2 ASP B 230 32.393 35.635 62.438 1.00 74. ATOM 4097 O ASP B 230 32.37576 63.398 1.00 33. ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33. ATOM 4099 CA TYR B 231 33.732 35.352 63.398 1.00 33. ATOM 4099 CA TYR B 231 33.732 35.555 66.632 1.00 31. ATOM 4090 CB TYR B 231 33.732 35.555 66.632 1.00 31. ATOM 4101 CG TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 33.819 39.333 66.854 1.00 41.	ATOM	MOTA	4075	CG1	VAL	В	228	37.419	31.376	66.005	1.00 25	.74
ATOM 4078 O VAL B 228 35.454 33.028 64.145 1.00 26. ATOM 4079 N ARG B 229 34.253 31.163 64.145 1.00 30. ATOM 4080 CA ARG B 229 34.172 31.158 62.678 1.00 30. ATOM 4081 CB ARG B 229 33.486 29.872 62.232 1.00 35. ATOM 4082 CG ARG B 229 33.083 29.811 60.772 1.00 37. ATOM 4083 CD ARG B 229 34.250 30.014 59.828 1.00 31. ATOM 4084 NE ARG B 229 35.361 29.082 60.089 1.00 32. ATOM 4085 CZ ARG B 229 36.512 29.276 59.439 1.00 32. ATOM 4086 NH1 ARG B 229 36.535 30.304 58.602 1.00 27. ATOM 4087 NH2 ARG B 229 37.576 28.513 59.590 1.00 33. ATOM 4089 O ARG B 229 33.459 32.398 62.160 1.00 38. ATOM 4090 N ASP B 230 32.458 32.876 62.897 1.00 36. ATOM 4091 CA ASP B 230 32.458 32.876 62.897 1.00 30. ATOM 4092 CB ASP B 230 30.693 34.455 63.561 1.00 50. ATOM 4093 CG ASP B 230 30.693 34.455 63.561 1.00 62. ATOM 4094 OD1 ASP B 230 30.693 34.455 63.561 1.00 62. ATOM 4095 OD2 ASP B 230 32.990 35.635 62.438 1.00 74. ATOM 4096 C ASP B 230 32.680 36.128 61.574 1.00 62. ATOM 4097 O ASP B 230 32.680 36.128 61.574 1.00 42. ATOM 4099 CA TYR B 231 33.732 35.352 63.398 1.00 33. ATOM 4099 CA TYR B 231 33.732 35.352 63.398 1.00 33. ATOM 4090 CB TYR B 231 33.721 36.596 64.743 1.00 28. ATOM 4090 CB TYR B 231 33.721 36.596 64.743 1.00 28. ATOM 4100 CB TYR B 231 33.721 36.596 66.854 1.00 31. ATOM 4101 CG TYR B 231 33.721 36.596 66.633 1.00 31. ATOM 4102 CD1 TYR B 231 33.721 36.596 66.633 1.00 31. ATOM 4103 CE1 TYR B 231 33.721 36.595 67.685 1.00 44. ATOM 4104 CZ TYR B 231 33.819 39.333 66.854 1.00 41.	ATOM	ATOM	4076	CG2	VAL	В	228	36.316	31.066	68.244	1.00 22	.05
ATOM 4080 CA ARG B 229 34.253 31.163 64.145 1.00 30. ATOM 4080 CA ARG B 229 34.172 31.158 62.678 1.00 30. ATOM 4081 CB ARG B 229 33.486 29.872 62.232 1.00 35. ATOM 4082 CG ARG B 229 33.083 29.811 60.772 1.00 37. ATOM 4083 CD ARG B 229 34.250 30.014 59.828 1.00 31. ATOM 4084 NE ARG B 229 35.361 29.082 60.089 1.00 32. ATOM 4085 CZ ARG B 229 36.512 29.276 59.439 1.00 32. ATOM 4086 NH1 ARG B 229 36.535 30.304 58.602 1.00 27. ATOM 4087 NH2 ARG B 229 36.535 30.304 58.602 1.00 27. ATOM 4088 C ARG B 229 37.576 28.513 59.590 1.00 33. ATOM 4088 C ARG B 229 33.809 32.398 62.160 1.00 38. ATOM 4090 N ASP B 230 32.458 32.876 62.897 1.00 30. ATOM 4091 CA ASP B 230 32.458 32.876 62.897 1.00 30. ATOM 4092 CB ASP B 230 30.693 34.455 63.561 1.00 40. ATOM 4093 CG ASP B 230 30.693 34.455 63.561 1.00 61. ATOM 4094 OD1 ASP B 230 30.234 36.779 63.781 1.00 62. ATOM 4096 C ASP B 230 32.777 35.287 62.469 1.00 38. ATOM 4097 O ASP B 230 32.777 35.287 62.469 1.00 38. ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33. ATOM 4099 CA TYR B 231 33.732 35.352 63.398 1.00 33. ATOM 4090 CB TYR B 231 33.732 35.352 63.398 1.00 33. ATOM 4090 CB TYR B 231 33.732 35.352 63.398 1.00 33. ATOM 4100 CB TYR B 231 33.732 35.352 67.585 1.00 30. ATOM 4100 CB TYR B 231 33.732 35.352 67.585 1.00 31. ATOM 4100 CB TYR B 231 33.732 35.352 67.585 1.00 31. ATOM 4101 CG TYR B 231 33.721 36.575 66.32 1.00 31. ATOM 4103 CE1 TYR B 231 33.706 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44.	ATOM	ATOM	4077	C	VAL	В	228	34.929	32.108	64.779	1.00 25	. 85
ATOM	ATOM	ATOM	4078	0	VAL	В	228	35.454		64.145	1.00 26	.36
ATOM 4081 CB ARG B 229 33.486 29.872 62.232 1.00 35. ATOM 4082 CG ARG B 229 33.083 29.811 60.772 1.00 37. ATOM 4083 CD ARG B 229 34.250 30.014 59.828 1.00 31. ATOM 4084 NE ARG B 229 35.361 29.082 60.089 1.00 32. ATOM 4085 CZ ARG B 229 36.512 29.276 59.439 1.00 32. ATOM 4086 NH1 ARG B 229 36.551 29.276 59.439 1.00 32. ATOM 4087 NH2 ARG B 229 36.553 30.304 58.602 1.00 27. ATOM 4088 C ARG B 229 37.576 28.513 59.590 1.00 33. ATOM 4089 C ARG B 229 33.459 32.398 62.160 1.00 38. ATOM 4090 N ASP B 230 32.946 61.105 1.00 36. ATOM 4091 CA ASP B 230 32.458 32.876 62.897 1.00 30. ATOM 4092 CB ASP B 230 30.693 34.455 63.561 1.00 50. ATOM 4093 CG ASP B 230 30.693 34.455 63.561 1.00 50. ATOM 4094 OD1 ASP B 230 30.234 36.779 63.781 1.00 62. ATOM 4095 OD2 ASP B 230 32.946 61.574 1.00 42. ATOM 4096 C ASP B 230 32.777 35.287 62.438 1.00 74. ATOM 4097 O ASP B 230 32.777 35.287 62.438 1.00 74. ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33. ATOM 4099 CA TYR B 231 33.732 35.352 63.398 1.00 30. ATOM 4099 CA TYR B 231 33.732 35.352 63.398 1.00 30. ATOM 4100 CB TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4101 CG TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4103 CE1 TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44.	ATOM	ATOM	4079	N	ARG	В	229	34.253	31.163	64.145	1.00 30	.24
ATOM 4082 CG ARG B 229 33.083 29.811 60.772 1.00 37. ATOM 4083 CD ARG B 229 34.250 30.014 59.828 1.00 31. ATOM 4084 NE ARG B 229 35.361 29.082 60.089 1.00 32. ATOM 4085 CZ ARG B 229 36.512 29.276 59.439 1.00 32. ATOM 4086 NH1 ARG B 229 36.535 30.304 58.602 1.00 27. ATOM 4087 NH2 ARG B 229 37.576 28.513 59.590 1.00 33. ATOM 4088 C ARG B 229 33.809 32.398 62.160 1.00 38. ATOM 4089 O ARG B 229 33.809 32.946 61.105 1.00 36. ATOM 4090 N ASP B 230 32.458 32.876 62.897 1.00 30. ATOM 4091 CA ASP B 230 31.792 34.128 62.548 1.00 40. ATOM 4092 CB ASP B 230 30.693 34.455 63.561 1.00 50. ATOM 4093 CG ASP B 230 30.234 36.779 63.781 1.00 61. ATOM 4094 OD1 ASP B 230 30.234 36.779 63.781 1.00 62. ATOM 4096 C ASP B 230 32.777 35.287 62.469 1.00 38. ATOM 4097 O ASP B 230 32.680 36.128 61.574 1.00 42. ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33. ATOM 4099 CA TYR B 231 33.732 35.352 63.398 1.00 33. ATOM 4100 CB TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4100 CB TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4103 CE1 TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44.	ATOM 4082 CG ARG B 229 33.083 29.811 60.772 1.00 37.64 ATOM 4083 CD ARG B 229 34.250 30.014 59.828 1.00 31.83 ATOM 4084 NE ARG B 229 35.361 29.082 60.089 1.00 32.88 ATOM 4085 CZ ARG B 229 36.512 29.276 59.439 1.00 32.94 ATOM 4086 NH1 ARG B 229 36.535 30.304 58.602 1.00 27.58 ATOM 4087 NH2 ARG B 229 37.576 28.513 59.590 1.00 33.74 ATOM 4088 C ARG B 229 33.459 32.398 62.160 1.00 38.61 ATOM 4089 O ARG B 229 33.809 32.946 61.105 1.00 36.42 ATOM 4090 N ASP B 230 32.458 32.876 62.897 1.00 30.67 ATOM 4091 CA ASP B 230 31.792 34.128 62.548 1.00 40.26 ATOM 4092 CB ASP B 230 30.693 34.455 63.561 1.00 50.06 ATOM 4093 CG ASP B 230 30.234 36.779 63.781 1.00 62.97 ATOM 4094 OD1 ASP B 230 30.234 36.779 63.781 1.00 62.97 ATOM 4095 OD2 ASP B 230 28.939 35.635 62.438 1.00 74.52 ATOM 4096 C ASP B 230 32.777 35.287 62.469 1.00 38.62 ATOM 4097 O ASP B 230 32.777 35.287 62.469 1.00 38.62 ATOM 4099 CA TYR B 231 33.732 35.352 63.398 1.00 33.95 ATOM 4099 CA TYR B 231 34.680 36.464 63.395 1.00 30.28 ATOM 4090 CB TYR B 231 34.680 36.464 63.395 1.00 30.28 ATOM 4100 CB TYR B 231 34.545 37.304 65.783 1.00 31.94 ATOM 4101 CG TYR B 231 33.721 36.596 64.743 1.00 28.40 ATOM 4103 CE1 TYR B 231 33.721 36.595 67.685 1.00 31.04 ATOM 4104 CZ TYR B 231 33.721 36.595 67.685 1.00 39.71 ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 39.71 ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44.93	ATOM	4080	CA	ARG	В	229	34.172	31.158	62.678	1.00 30.	. 97
ATOM 4083 CD ARG B 229 34.250 30.014 59.828 1.00 31. ATOM 4084 NE ARG B 229 35.361 29.082 60.089 1.00 32. ATOM 4085 CZ ARG B 229 36.512 29.276 59.439 1.00 32. ATOM 4086 NH1 ARG B 229 36.535 30.304 58.602 1.00 27. ATOM 4087 NH2 ARG B 229 37.576 28.513 59.590 1.00 33. ATOM 4088 C ARG B 229 33.459 32.398 62.160 1.00 38. ATOM 4089 O ARG B 229 33.809 32.946 61.105 1.00 36. ATOM 4090 N ASP B 230 32.458 32.876 62.897 1.00 30. ATOM 4091 CA ASP B 230 31.792 34.128 62.548 1.00 40. ATOM 4092 CB ASP B 230 30.693 34.425 63.561 1.00 50. ATOM 4093 CG ASP B 230 29.903 35.704 63.234 1.00 61. ATOM 4094 OD1 ASP B 230 30.234 36.779 63.781 1.00 62. ATOM 4095 OD2 ASP B 230 32.977 35.287 62.469 1.00 38. ATOM 4096 C ASP B 230 32.777 35.287 62.469 1.00 38. ATOM 4097 O ASP B 230 32.777 35.287 62.469 1.00 38. ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33. ATOM 4099 CA TYR B 231 34.680 36.464 63.395 1.00 30. ATOM 4100 CB TYR B 231 34.545 37.304 65.783 1.00 28. ATOM 4100 CB TYR B 231 34.545 37.304 65.783 1.00 28. ATOM 4101 CG TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4103 CE1 TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4103 CE1 TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44.	ATOM 4083 CD ARG B 229 34.250 30.014 59.828 1.00 31.83 ATOM 4084 NE ARG B 229 35.361 29.082 60.089 1.00 32.88 ATOM 4085 CZ ARG B 229 36.512 29.276 59.439 1.00 32.94 ATOM 4086 NH1 ARG B 229 36.535 30.304 58.602 1.00 27.58 ATOM 4087 NH2 ARG B 229 37.576 28.513 59.590 1.00 33.74 ATOM 4088 C ARG B 229 33.459 32.398 62.160 1.00 38.61 ATOM 4089 O ARG B 229 33.459 32.398 62.160 1.00 38.61 ATOM 4090 N ASP B 230 32.458 32.876 62.897 1.00 30.67 ATOM 4091 CA ASP B 230 31.792 34.128 62.548 1.00 40.26 ATOM 4092 CB ASP B 230 30.693 34.455 63.561 1.00 50.06 ATOM 4093 CG ASP B 230 30.693 34.455 63.561 1.00 50.06 ATOM 4094 OD1 ASP B 230 30.234 36.779 63.781 1.00 62.97 ATOM 4096 C ASP B 230 32.777 35.287 62.469 1.00 38.62 ATOM 4097 O ASP B 230 32.777 35.287 62.469 1.00 38.62 ATOM 4099 CA TYR B 231 33.732 35.352 63.398 1.00 33.95 ATOM 4099 CA TYR B 231 34.680 36.464 63.395 1.00 30.28 ATOM 4090 CB TYR B 231 34.545 37.304 65.783 1.00 31.94 ATOM 4101 CG TYR B 231 33.721 36.575 66.632 1.00 31.94 ATOM 4103 CE1 TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 49.93 ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44.93	ATOM	4081	CB	ARG	В	229	33.486	29.872	62.232	1.00 35.	.10
ATOM 4084 NE ARG B 229 35.361 29.082 60.089 1.00 32. ATOM 4085 CZ ARG B 229 36.512 29.276 59.439 1.00 32. ATOM 4086 NH1 ARG B 229 36.535 30.304 58.602 1.00 27. ATOM 4087 NH2 ARG B 229 37.576 28.513 59.590 1.00 33. ATOM 4088 C ARG B 229 33.459 32.398 62.160 1.00 38. ATOM 4089 O ARG B 229 33.809 32.946 61.105 1.00 36. ATOM 4090 N ASP B 230 32.458 32.876 62.897 1.00 30. ATOM 4091 CA ASP B 230 31.792 34.128 62.548 1.00 40. ATOM 4092 CB ASP B 230 30.693 34.455 63.561 1.00 50. ATOM 4093 CG ASP B 230 29.903 35.704 63.234 1.00 61. ATOM 4094 OD1 ASP B 230 30.234 36.779 63.781 1.00 62. ATOM 4095 OD2 ASP B 230 28.939 35.635 62.438 1.00 74. ATOM 4096 C ASP B 230 32.777 35.287 62.469 1.00 38. ATOM 4097 O ASP B 230 32.680 36.128 61.574 1.00 42. ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33. ATOM 4099 CA TYR B 231 34.680 36.464 63.395 1.00 30. ATOM 4100 CB TYR B 231 34.545 37.304 65.783 1.00 31. ATOM 4101 CG TYR B 231 34.545 37.304 65.783 1.00 31. ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4103 CE1 TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44.	ATOM 4084 NE ARG B 229 35.361 29.082 60.089 1.00 32.88 ATOM 4085 CZ ARG B 229 36.512 29.276 59.439 1.00 32.94 ATOM 4086 NH1 ARG B 229 36.535 30.304 58.602 1.00 27.58 ATOM 4087 NH2 ARG B 229 37.576 28.513 59.590 1.00 33.74 ATOM 4088 C ARG B 229 33.459 32.398 62.160 1.00 38.61 ATOM 4089 O ARG B 229 33.809 32.946 61.105 1.00 36.42 ATOM 4090 N ASP B 230 32.458 32.876 62.897 1.00 30.67 ATOM 4091 CA ASP B 230 31.792 34.128 62.548 1.00 40.26 ATOM 4092 CB ASP B 230 30.693 34.455 63.561 1.00 50.06 ATOM 4093 CG ASP B 230 30.693 34.455 63.561 1.00 50.06 ATOM 4094 OD1 ASP B 230 30.234 36.779 63.781 1.00 62.97 ATOM 4095 OD2 ASP B 230 32.777 35.287 62.469 1.00 38.62 ATOM 4096 C ASP B 230 32.777 35.287 62.469 1.00 38.62 ATOM 4097 O ASP B 230 32.777 35.287 62.469 1.00 38.62 ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33.95 ATOM 4099 CA TYR B 231 33.721 36.596 64.743 1.00 28.40 ATOM 4100 CB TYR B 231 33.721 36.575 66.632 1.00 31.04 ATOM 4103 CE1 TYR B 231 33.721 36.575 66.632 1.00 39.71 ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44.93	ATOM	4082	CG	ARG	В	229	33.083	29.811	60.772	1.00 37.	. 64
ATOM 4085 CZ ARG B 229 36.512 29.276 59.439 1.00 32. ATOM 4086 NH1 ARG B 229 36.535 30.304 58.602 1.00 27. ATOM 4087 NH2 ARG B 229 37.576 28.513 59.590 1.00 33. ATOM 4088 C ARG B 229 33.459 32.398 62.160 1.00 38. ATOM 4089 O ARG B 229 33.809 32.946 61.105 1.00 36. ATOM 4090 N ASP B 230 32.458 32.876 62.897 1.00 30. ATOM 4091 CA ASP B 230 31.792 34.128 62.548 1.00 40. ATOM 4092 CB ASP B 230 30.693 34.455 63.561 1.00 50. ATOM 4093 CG ASP B 230 29.903 35.704 63.234 1.00 61. ATOM 4094 OD1 ASP B 230 30.234 36.779 63.781 1.00 62. ATOM 4095 OD2 ASP B 230 28.939 35.635 62.438 1.00 74. ATOM 4096 C ASP B 230 32.777 35.287 62.469 1.00 38. ATOM 4097 O ASP B 230 32.680 36.128 61.574 1.00 42. ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33. ATOM 4090 CA TYR B 231 34.680 36.464 63.395 1.00 30. ATOM 4100 CB TYR B 231 34.545 37.304 65.783 1.00 31. ATOM 4101 CG TYR B 231 34.545 37.304 65.783 1.00 31. ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4103 CE1 TYR B 231 33.721 36.575 66.632 1.00 39. ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44.	ATOM 4085 CZ ARG B 229 36.512 29.276 59.439 1.00 32.94 ATOM 4086 NH1 ARG B 229 36.535 30.304 58.602 1.00 27.58 ATOM 4087 NH2 ARG B 229 37.576 28.513 59.590 1.00 33.74 ATOM 4088 C ARG B 229 33.459 32.398 62.160 1.00 38.61 ATOM 4089 O ARG B 229 33.809 32.946 61.105 1.00 36.42 ATOM 4090 N ASP B 230 32.458 32.876 62.897 1.00 30.67 ATOM 4091 CA ASP B 230 31.792 34.128 62.548 1.00 40.26 ATOM 4092 CB ASP B 230 30.693 34.455 63.561 1.00 50.06 ATOM 4093 CG ASP B 230 29.903 35.704 63.234 1.00 61.05 ATOM 4094 OD1 ASP B 230 30.234 36.779 63.781 1.00 62.97 ATOM 4095 OD2 ASP B 230 28.939 35.635 62.438 1.00 74.52 ATOM 4096 C ASP B 230 32.777 35.287 62.469 1.00 38.62 ATOM 4097 O ASP B 230 32.680 36.128 61.574 1.00 42.73 ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33.95 ATOM 4090 CA TYR B 231 33.732 35.352 63.398 1.00 30.28 ATOM 4100 CB TYR B 231 34.680 36.464 63.395 1.00 30.28 ATOM 4101 CG TYR B 231 33.721 36.575 66.632 1.00 31.94 ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31.94 ATOM 4103 CE1 TYR B 231 33.721 36.575 66.632 1.00 39.71 ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 33.819 39.333 66.854 1.00 41.23	ATOM	4083	CD	ARG	В	229	34.250	30.014	59.828	1.00 31.	. 83
ATOM 4086 NH1 ARG B 229 36.535 30.304 58.602 1.00 27. ATOM 4087 NH2 ARG B 229 37.576 28.513 59.590 1.00 33. ATOM 4088 C ARG B 229 33.459 32.398 62.160 1.00 38. ATOM 4089 O ARG B 229 33.809 32.946 61.105 1.00 36. ATOM 4090 N ASP B 230 32.458 32.876 62.897 1.00 30. ATOM 4091 CA ASP B 230 31.792 34.128 62.548 1.00 40. ATOM 4092 CB ASP B 230 30.693 34.455 63.561 1.00 50. ATOM 4093 CG ASP B 230 29.903 35.704 63.234 1.00 61. ATOM 4094 OD1 ASP B 230 30.234 36.779 63.781 1.00 62. ATOM 4095 OD2 ASP B 230 28.939 35.635 62.438 1.00 74. ATOM 4096 C ASP B 230 32.777 35.287 62.469 1.00 38. ATOM 4097 O ASP B 230 32.680 36.128 61.574 1.00 42. ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33. ATOM 4099 CA TYR B 231 34.680 36.464 63.395 1.00 30. ATOM 4100 CB TYR B 231 35.391 36.596 64.743 1.00 28. ATOM 4101 CG TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4103 CE1 TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67. ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67. ATOM 4105 OH TYR B 231 33.819 39.333 66.854 1.00 41.	ATOM 4086 NH1 ARG B 229 36.535 30.304 58.602 1.00 27.58 ATOM 4087 NH2 ARG B 229 37.576 28.513 59.590 1.00 33.74 ATOM 4088 C ARG B 229 33.459 32.398 62.160 1.00 38.61 ATOM 4089 O ARG B 229 33.809 32.946 61.105 1.00 36.42 ATOM 4090 N ASP B 230 32.458 32.876 62.897 1.00 30.67 ATOM 4091 CA ASP B 230 31.792 34.128 62.548 1.00 40.26 ATOM 4092 CB ASP B 230 30.693 34.455 63.561 1.00 50.06 ATOM 4093 CG ASP B 230 29.903 35.704 63.234 1.00 61.05 ATOM 4094 OD1 ASP B 230 30.234 36.779 63.781 1.00 62.97 ATOM 4095 OD2 ASP B 230 28.939 35.635 62.438 1.00 74.52 ATOM 4096 C ASP B 230 32.680 36.128 61.574 1.00 42.73 ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33.95 ATOM 4099 CA TYR B 231 33.732 35.352 63.398 1.00 33.95 ATOM 4100 CB TYR B 231 34.680 36.464 63.395 1.00 30.28 ATOM 4101 CG TYR B 231 34.545 37.304 65.783 1.00 31.94 ATOM 4103 CE1 TYR B 231 33.721 36.575 66.632 1.00 31.04 ATOM 4103 CE1 TYR B 231 33.953 37.221 67.582 1.00 39.71 ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 33.819 39.333 66.854 1.00 41.23	ATOM	4084	NE	ARG	В	229	35.361	29.082	60.089	1.00 32.	. 88
ATOM 4087 NH2 ARG B 229 37.576 28.513 59.590 1.00 33. ATOM 4088 C ARG B 229 33.459 32.398 62.160 1.00 38. ATOM 4089 O ARG B 229 33.809 32.946 61.105 1.00 36. ATOM 4090 N ASP B 230 32.458 32.876 62.897 1.00 30. ATOM 4091 CA ASP B 230 31.792 34.128 62.548 1.00 40. ATOM 4092 CB ASP B 230 30.693 34.455 63.561 1.00 50. ATOM 4093 CG ASP B 230 29.903 35.704 63.234 1.00 61. ATOM 4094 OD1 ASP B 230 30.234 36.779 63.781 1.00 62. ATOM 4095 OD2 ASP B 230 28.939 35.635 62.438 1.00 74. ATOM 4096 C ASP B 230 32.777 35.287 62.469 1.00 38. ATOM 4097 O ASP B 230 32.680 36.128 61.574 1.00 42. ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33. ATOM 4099 CA TYR B 231 34.680 36.464 63.395 1.00 30. ATOM 4100 CB TYR B 231 34.545 37.304 65.783 1.00 31. ATOM 4101 CG TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4103 CE1 TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 33.819 39.333 66.854 1.00 41.	ATOM 4087 NH2 ARG B 229 37.576 28.513 59.590 1.00 33.74 ATOM 4088 C ARG B 229 33.459 32.398 62.160 1.00 38.61 ATOM 4089 O ARG B 229 33.809 32.946 61.105 1.00 36.42 ATOM 4090 N ASP B 230 32.458 32.876 62.897 1.00 30.67 ATOM 4091 CA ASP B 230 31.792 34.128 62.548 1.00 40.26 ATOM 4092 CB ASP B 230 30.693 34.455 63.561 1.00 50.06 ATOM 4093 CG ASP B 230 29.903 35.704 63.234 1.00 61.05 ATOM 4094 OD1 ASP B 230 30.234 36.779 63.781 1.00 62.97 ATOM 4095 OD2 ASP B 230 28.939 35.635 62.438 1.00 74.52 ATOM 4096 C ASP B 230 32.777 35.287 62.469 1.00 38.62 ATOM 4097 O ASP B 230 32.680 36.128 61.574 1.00 42.73 ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33.95 ATOM 4099 CA TYR B 231 33.732 35.352 63.398 1.00 33.95 ATOM 4100 CB TYR B 231 34.680 36.464 63.395 1.00 30.28 ATOM 4101 CG TYR B 231 34.545 37.304 65.783 1.00 31.94 ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31.04 ATOM 4103 CE1 TYR B 231 33.721 36.575 66.632 1.00 31.04 ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 33.819 39.333 66.854 1.00 41.23	MOTA		CZ	ARG	В	229	36.512	29.276	59.439	1.00 32.	94
ATOM 4088 C ARG B 229 33.459 32.398 62.160 1.00 38. ATOM 4089 O ARG B 229 33.809 32.946 61.105 1.00 36. ATOM 4090 N ASP B 230 32.458 32.876 62.897 1.00 30. ATOM 4091 CA ASP B 230 31.792 34.128 62.548 1.00 40. ATOM 4092 CB ASP B 230 30.693 34.455 63.561 1.00 50. ATOM 4093 CG ASP B 230 29.903 35.704 63.234 1.00 61. ATOM 4094 OD1 ASP B 230 30.234 36.779 63.781 1.00 62. ATOM 4095 OD2 ASP B 230 28.939 35.635 62.438 1.00 74. ATOM 4096 C ASP B 230 32.777 35.287 62.469 1.00 38. ATOM 4097 O ASP B 230 32.777 35.287 62.469 1.00 38. ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33. ATOM 4099 CA TYR B 231 34.680 36.464 63.395 1.00 30. ATOM 4100 CB TYR B 231 34.545 37.304 65.783 1.00 31. ATOM 4101 CG TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4103 CE1 TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67. ATOM 4105 OH TYR B 231 33.819 39.333 66.854 1.00 41.	ATOM 4088 C ARG B 229 33.459 32.398 62.160 1.00 38.61 ATOM 4089 O ARG B 229 33.809 32.946 61.105 1.00 36.42 ATOM 4090 N ASP B 230 32.458 32.876 62.897 1.00 30.67 ATOM 4091 CA ASP B 230 31.792 34.128 62.548 1.00 40.26 ATOM 4092 CB ASP B 230 30.693 34.455 63.561 1.00 50.06 ATOM 4093 CG ASP B 230 29.903 35.704 63.234 1.00 61.05 ATOM 4094 OD1 ASP B 230 30.234 36.779 63.781 1.00 62.97 ATOM 4095 OD2 ASP B 230 28.939 35.635 62.438 1.00 74.52 ATOM 4096 C ASP B 230 32.777 35.287 62.469 1.00 38.62 ATOM 4097 O ASP B 230 32.680 36.128 61.574 1.00 42.73 ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33.95 ATOM 4099 CA TYR B 231 34.680 36.464 63.395 1.00 30.28 ATOM 4100 CB TYR B 231 34.545 37.304 65.783 1.00 31.94 ATOM 4101 CG TYR B 231 33.721 36.575 66.632 1.00 31.04 ATOM 4103 CE1 TYR B 231 33.721 36.575 66.632 1.00 31.04 ATOM 4103 CE1 TYR B 231 33.721 36.575 66.632 1.00 31.04 ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67.37 ATOM 4105 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.23			NH1	ARG	В	229	36.535	30.304	58.602	1.00 27.	58
ATOM 4089 O ARG B 229 33.809 32.946 61.105 1.00 36. ATOM 4090 N ASP B 230 32.458 32.876 62.897 1.00 30. ATOM 4091 CA ASP B 230 31.792 34.128 62.548 1.00 40. ATOM 4092 CB ASP B 230 30.693 34.455 63.561 1.00 50. ATOM 4093 CG ASP B 230 29.903 35.704 63.234 1.00 61. ATOM 4094 OD1 ASP B 230 30.234 36.779 63.781 1.00 62. ATOM 4095 OD2 ASP B 230 28.939 35.635 62.438 1.00 74. ATOM 4096 C ASP B 230 32.777 35.287 62.469 1.00 38. ATOM 4097 O ASP B 230 32.680 36.128 61.574 1.00 42. ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33. ATOM 4099 CA TYR B 231 34.680 36.464 63.395 1.00 30. ATOM 4100 CB TYR B 231 34.545 37.304 65.783 1.00 28. ATOM 4101 CG TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4103 CE1 TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67. ATOM 4105 OH TYR B 231 33.819 39.333 66.854 1.00 41.	ATOM 4089 O ARG B 229 33.809 32.946 61.105 1.00 36.42 ATOM 4090 N ASP B 230 32.458 32.876 62.897 1.00 30.67 ATOM 4091 CA ASP B 230 31.792 34.128 62.548 1.00 40.26 ATOM 4092 CB ASP B 230 30.693 34.455 63.561 1.00 50.06 ATOM 4093 CG ASP B 230 29.903 35.704 63.234 1.00 61.05 ATOM 4094 OD1 ASP B 230 30.234 36.779 63.781 1.00 62.97 ATOM 4095 OD2 ASP B 230 28.939 35.635 62.438 1.00 74.52 ATOM 4096 C ASP B 230 32.777 35.287 62.469 1.00 38.62 ATOM 4097 O ASP B 230 32.680 36.128 61.574 1.00 42.73 ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33.95 ATOM 4099 CA TYR B 231 34.680 36.464 63.395 1.00 30.28 ATOM 4100 CB TYR B 231 34.680 36.464 63.395 1.00 30.28 ATOM 4101 CG TYR B 231 34.545 37.304 65.783 1.00 31.94 ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31.04 ATOM 4103 CE1 TYR B 231 32.953 37.221 67.582 1.00 39.71 ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67.37 ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67.37 ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67.37 ATOM 4105 OH TYR B 231 33.819 39.333 66.854 1.00 41.23	ATOM	4087	NH2	ARG			37.576	28.513	59.590	1.00 33.	74
ATOM 4090 N ASP B 230 32.458 32.876 62.897 1.00 30. ATOM 4091 CA ASP B 230 31.792 34.128 62.548 1.00 40. ATOM 4092 CB ASP B 230 30.693 34.455 63.561 1.00 50. ATOM 4093 CG ASP B 230 29.903 35.704 63.234 1.00 61. ATOM 4094 OD1 ASP B 230 30.234 36.779 63.781 1.00 62. ATOM 4095 OD2 ASP B 230 28.939 35.635 62.438 1.00 74. ATOM 4096 C ASP B 230 32.777 35.287 62.469 1.00 38. ATOM 4097 O ASP B 230 32.680 36.128 61.574 1.00 42. ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33. ATOM 4099 CA TYR B 231 34.680 36.464 63.395 1.00 30. ATOM 4100 CB TYR B 231 34.545 37.304 65.783 1.00 28. ATOM 4101 CG TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4103 CE1 TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67. ATOM 4105 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.	ATOM 4090 N ASP B 230 32.458 32.876 62.897 1.00 30.67 ATOM 4091 CA ASP B 230 31.792 34.128 62.548 1.00 40.26 ATOM 4092 CB ASP B 230 30.693 34.455 63.561 1.00 50.06 ATOM 4093 CG ASP B 230 29.903 35.704 63.234 1.00 61.05 ATOM 4094 OD1 ASP B 230 30.234 36.779 63.781 1.00 62.97 ATOM 4095 OD2 ASP B 230 28.939 35.635 62.438 1.00 74.52 ATOM 4096 C ASP B 230 32.777 35.287 62.469 1.00 38.62 ATOM 4097 O ASP B 230 32.680 36.128 61.574 1.00 42.73 ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33.95 ATOM 4099 CA TYR B 231 34.680 36.464 63.395 1.00 30.28 ATOM 4100 CB TYR B 231 34.545 37.304 65.783 1.00 31.94 ATOM 4101 CG TYR B 231 33.721 36.596 64.743 1.00 28.40 ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31.04 ATOM 4103 CE1 TYR B 231 32.953 37.221 67.582 1.00 39.71 ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67.37 ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67.37 ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67.37	MOTA	4088	С	ARG				32.398	62.160	1.00 38.	61
ATOM 4091 CA ASP B 230 31.792 34.128 62.548 1.00 40. ATOM 4092 CB ASP B 230 30.693 34.455 63.561 1.00 50. ATOM 4093 CG ASP B 230 29.903 35.704 63.234 1.00 61. ATOM 4094 OD1 ASP B 230 30.234 36.779 63.781 1.00 62. ATOM 4095 OD2 ASP B 230 28.939 35.635 62.438 1.00 74. ATOM 4096 C ASP B 230 32.777 35.287 62.469 1.00 38. ATOM 4097 O ASP B 230 32.680 36.128 61.574 1.00 42. ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33. ATOM 4099 CA TYR B 231 34.680 36.464 63.395 1.00 30. ATOM 4100 CB TYR B 231 35.391 36.596 64.743 1.00 28. ATOM 4101 CG TYR B 231 34.545 37.304 65.783 1.00 31. ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4103 CE1 TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67. ATOM 4105 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.	ATOM 4091 CA ASP B 230 31.792 34.128 62.548 1.00 40.26 ATOM 4092 CB ASP B 230 30.693 34.455 63.561 1.00 50.06 ATOM 4093 CG ASP B 230 29.903 35.704 63.234 1.00 61.05 ATOM 4094 OD1 ASP B 230 30.234 36.779 63.781 1.00 62.97 ATOM 4095 OD2 ASP B 230 28.939 35.635 62.438 1.00 74.52 ATOM 4096 C ASP B 230 32.777 35.287 62.469 1.00 38.62 ATOM 4097 O ASP B 230 32.680 36.128 61.574 1.00 42.73 ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33.95 ATOM 4099 CA TYR B 231 34.680 36.464 63.395 1.00 30.28 ATOM 4100 CB TYR B 231 34.680 36.464 63.395 1.00 30.28 ATOM 4101 CG TYR B 231 34.545 37.304 65.783 1.00 31.94 ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31.04 ATOM 4103 CE1 TYR B 231 32.953 37.221 67.582 1.00 39.71 ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67.37 ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67.37 ATOM 4105 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.23			0	ARG	В	229		32.946	61.105	1.00 36.	42
ATOM 4092 CB ASP B 230 30.693 34.455 63.561 1.00 50. ATOM 4093 CG ASP B 230 29.903 35.704 63.234 1.00 61. ATOM 4094 OD1 ASP B 230 30.234 36.779 63.781 1.00 62. ATOM 4095 OD2 ASP B 230 28.939 35.635 62.438 1.00 74. ATOM 4096 C ASP B 230 32.777 35.287 62.469 1.00 38. ATOM 4097 O ASP B 230 32.680 36.128 61.574 1.00 42. ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33. ATOM 4099 CA TYR B 231 34.680 36.464 63.395 1.00 30. ATOM 4100 CB TYR B 231 35.391 36.596 64.743 1.00 28. ATOM 4101 CG TYR B 231 34.545 37.304 65.783 1.00 31. ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4103 CE1 TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67. ATOM 4105 CE2 TYR B 231 32.237 39.231 68.633 1.00 67.	ATOM 4092 CB ASP B 230 30.693 34.455 63.561 1.00 50.06 ATOM 4093 CG ASP B 230 29.903 35.704 63.234 1.00 61.05 ATOM 4094 OD1 ASP B 230 30.234 36.779 63.781 1.00 62.97 ATOM 4095 OD2 ASP B 230 28.939 35.635 62.438 1.00 74.52 ATOM 4096 C ASP B 230 32.777 35.287 62.469 1.00 38.62 ATOM 4097 O ASP B 230 32.680 36.128 61.574 1.00 42.73 ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33.95 ATOM 4099 CA TYR B 231 34.680 36.464 63.395 1.00 30.28 ATOM 4100 CB TYR B 231 35.391 36.596 64.743 1.00 28.40 ATOM 4101 CG TYR B 231 34.545 37.304 65.783 1.00 31.94 ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31.04 ATOM 4103 CE1 TYR B 231 32.953 37.221 67.582 1.00 39.71 ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67.37 ATOM 4105 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.23	MOTA	4090	N	ASP	В	230	32.458	32.876	62.897	1.00 30.	67
ATOM 4093 CG ASP B 230 29.903 35.704 63.234 1.00 61. ATOM 4094 OD1 ASP B 230 30.234 36.779 63.781 1.00 62. ATOM 4095 OD2 ASP B 230 28.939 35.635 62.438 1.00 74. ATOM 4096 C ASP B 230 32.777 35.287 62.469 1.00 38. ATOM 4097 O ASP B 230 32.680 36.128 61.574 1.00 42. ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33. ATOM 4099 CA TYR B 231 34.680 36.464 63.395 1.00 30. ATOM 4100 CB TYR B 231 35.391 36.596 64.743 1.00 28. ATOM 4101 CG TYR B 231 34.545 37.304 65.783 1.00 31. ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4103 CE1 TYR B 231 32.953 37.221 67.582 1.00 39. ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67. ATOM 4106 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.	ATOM 4093 CG ASP B 230 29.903 35.704 63.234 1.00 61.05 ATOM 4094 OD1 ASP B 230 30.234 36.779 63.781 1.00 62.97 ATOM 4095 OD2 ASP B 230 28.939 35.635 62.438 1.00 74.52 ATOM 4096 C ASP B 230 32.777 35.287 62.469 1.00 38.62 ATOM 4097 O ASP B 230 32.680 36.128 61.574 1.00 42.73 ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33.95 ATOM 4099 CA TYR B 231 34.680 36.464 63.395 1.00 30.28 ATOM 4100 CB TYR B 231 35.391 36.596 64.743 1.00 28.40 ATOM 4101 CG TYR B 231 34.545 37.304 65.783 1.00 31.94 ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31.04 ATOM 4103 CE1 TYR B 231 32.953 37.221 67.582 1.00 39.71 ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67.37 ATOM 4106 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.23			CA	ASP	В	230	31.792	34.128	62.548	1.00 40.	26
ATOM 4094 OD1 ASP B 230 30.234 36.779 63.781 1.00 62. ATOM 4095 OD2 ASP B 230 28.939 35.635 62.438 1.00 74. ATOM 4096 C ASP B 230 32.777 35.287 62.469 1.00 38. ATOM 4097 O ASP B 230 32.680 36.128 61.574 1.00 42. ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33. ATOM 4099 CA TYR B 231 34.680 36.464 63.395 1.00 30. ATOM 4100 CB TYR B 231 35.391 36.596 64.743 1.00 28. ATOM 4101 CG TYR B 231 34.545 37.304 65.783 1.00 31. ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4103 CE1 TYR B 231 32.953 37.221 67.582 1.00 39. ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67. ATOM 4106 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.	ATOM 4094 OD1 ASP B 230 30.234 36.779 63.781 1.00 62.97 ATOM 4095 OD2 ASP B 230 28.939 35.635 62.438 1.00 74.52 ATOM 4096 C ASP B 230 32.777 35.287 62.469 1.00 38.62 ATOM 4097 O ASP B 230 32.680 36.128 61.574 1.00 42.73 ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33.95 ATOM 4099 CA TYR B 231 34.680 36.464 63.395 1.00 30.28 ATOM 4100 CB TYR B 231 35.391 36.596 64.743 1.00 28.40 ATOM 4101 CG TYR B 231 34.545 37.304 65.783 1.00 31.94 ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31.04 ATOM 4103 CE1 TYR B 231 32.953 37.221 67.582 1.00 39.71 ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67.37 ATOM 4106 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.23	MOTA	4092	CB	ASP	В	230	30.693	34.455	63.561	1.00 50.	06
ATOM 4095 OD2 ASP B 230 28.939 35.635 62.438 1.00 74. ATOM 4096 C ASP B 230 32.777 35.287 62.469 1.00 38. ATOM 4097 O ASP B 230 32.680 36.128 61.574 1.00 42. ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33. ATOM 4099 CA TYR B 231 34.680 36.464 63.395 1.00 30. ATOM 4100 CB TYR B 231 35.391 36.596 64.743 1.00 28. ATOM 4101 CG TYR B 231 34.545 37.304 65.783 1.00 31. ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4103 CE1 TYR B 231 32.953 37.221 67.582 1.00 39. ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67. ATOM 4106 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.	ATOM 4095 OD2 ASP B 230 28.939 35.635 62.438 1.00 74.52 ATOM 4096 C ASP B 230 32.777 35.287 62.469 1.00 38.62 ATOM 4097 O ASP B 230 32.680 36.128 61.574 1.00 42.73 ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33.95 ATOM 4099 CA TYR B 231 34.680 36.464 63.395 1.00 30.28 ATOM 4100 CB TYR B 231 35.391 36.596 64.743 1.00 28.40 ATOM 4101 CG TYR B 231 34.545 37.304 65.783 1.00 31.94 ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31.04 ATOM 4103 CE1 TYR B 231 32.953 37.221 67.582 1.00 39.71 ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67.37 ATOM 4106 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.23									63.234	1.00 61.	05
ATOM 4096 C ASP B 230 32.777 35.287 62.469 1.00 38. ATOM 4097 O ASP B 230 32.680 36.128 61.574 1.00 42. ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33. ATOM 4099 CA TYR B 231 34.680 36.464 63.395 1.00 30. ATOM 4100 CB TYR B 231 35.391 36.596 64.743 1.00 28. ATOM 4101 CG TYR B 231 34.545 37.304 65.783 1.00 31. ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4103 CE1 TYR B 231 32.953 37.221 67.582 1.00 39. ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67. ATOM 4106 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.	ATOM 4096 C ASP B 230 32.777 35.287 62.469 1.00 38.62 ATOM 4097 O ASP B 230 32.680 36.128 61.574 1.00 42.73 ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33.95 ATOM 4099 CA TYR B 231 34.680 36.464 63.395 1.00 30.28 ATOM 4100 CB TYR B 231 35.391 36.596 64.743 1.00 28.40 ATOM 4101 CG TYR B 231 34.545 37.304 65.783 1.00 31.94 ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31.04 ATOM 4103 CE1 TYR B 231 32.953 37.221 67.582 1.00 39.71 ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67.37 ATOM 4106 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.23	MOTA									1.00 62.	97
ATOM 4097 O ASP B 230 32.680 36.128 61.574 1.00 42. ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33. ATOM 4099 CA TYR B 231 34.680 36.464 63.395 1.00 30. ATOM 4100 CB TYR B 231 35.391 36.596 64.743 1.00 28. ATOM 4101 CG TYR B 231 34.545 37.304 65.783 1.00 31. ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4103 CE1 TYR B 231 32.953 37.221 67.582 1.00 39. ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67. ATOM 4106 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.	ATOM 4097 O ASP B 230 32.680 36.128 61.574 1.00 42.73 ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33.95 ATOM 4099 CA TYR B 231 34.680 36.464 63.395 1.00 30.28 ATOM 4100 CB TYR B 231 35.391 36.596 64.743 1.00 28.40 ATOM 4101 CG TYR B 231 34.545 37.304 65.783 1.00 31.94 ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31.04 ATOM 4103 CE1 TYR B 231 32.953 37.221 67.582 1.00 39.71 ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67.37 ATOM 4106 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.23			OD2						62.438		
ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33. ATOM 4099 CA TYR B 231 34.680 36.464 63.395 1.00 30. ATOM 4100 CB TYR B 231 35.391 36.596 64.743 1.00 28. ATOM 4101 CG TYR B 231 34.545 37.304 65.783 1.00 31. ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4103 CE1 TYR B 231 32.953 37.221 67.582 1.00 39. ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67. ATOM 4106 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.	ATOM 4098 N TYR B 231 33.732 35.352 63.398 1.00 33.95 ATOM 4099 CA TYR B 231 34.680 36.464 63.395 1.00 30.28 ATOM 4100 CB TYR B 231 35.391 36.596 64.743 1.00 28.40 ATOM 4101 CG TYR B 231 34.545 37.304 65.783 1.00 31.94 ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31.04 ATOM 4103 CE1 TYR B 231 32.953 37.221 67.582 1.00 39.71 ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67.37 ATOM 4106 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.23			С						62.469	1.00 38.	62
ATOM 4099 CA TYR B 231 34.680 36.464 63.395 1.00 30. ATOM 4100 CB TYR B 231 35.391 36.596 64.743 1.00 28. ATOM 4101 CG TYR B 231 34.545 37.304 65.783 1.00 31. ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4103 CE1 TYR B 231 32.953 37.221 67.582 1.00 39. ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67. ATOM 4106 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.	ATOM 4099 CA TYR B 231 34.680 36.464 63.395 1.00 30.28 ATOM 4100 CB TYR B 231 35.391 36.596 64.743 1.00 28.40 ATOM 4101 CG TYR B 231 34.545 37.304 65.783 1.00 31.94 ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31.04 ATOM 4103 CE1 TYR B 231 32.953 37.221 67.582 1.00 39.71 ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67.37 ATOM 4106 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.23			0				32.680	36.128	61.574	1.00 42.	73
ATOM 4100 CB TYR B 231 35.391 36.596 64.743 1.00 28. ATOM 4101 CG TYR B 231 34.545 37.304 65.783 1.00 31. ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4103 CE1 TYR B 231 32.953 37.221 67.582 1.00 39. ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67. ATOM 4106 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.	ATOM 4100 CB TYR B 231 35.391 36.596 64.743 1.00 28.40 ATOM 4101 CG TYR B 231 34.545 37.304 65.783 1.00 31.94 ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31.04 ATOM 4103 CE1 TYR B 231 32.953 37.221 67.582 1.00 39.71 ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67.37 ATOM 4106 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.23								35.352	63.398	1.00 33.	95
ATOM 4101 CG TYR B 231 34.545 37.304 65.783 1.00 31. ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4103 CE1 TYR B 231 32.953 37.221 67.582 1.00 39. ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67. ATOM 4106 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.	ATOM 4101 CG TYR B 231 34.545 37.304 65.783 1.00 31.94 ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31.04 ATOM 4103 CE1 TYR B 231 32.953 37.221 67.582 1.00 39.71 ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67.37 ATOM 4106 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.23			CA				34.680	36.464	63.395	1.00 30.	28
ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31. ATOM 4103 CE1 TYR B 231 32.953 37.221 67.582 1.00 39. ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67. ATOM 4106 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.	ATOM 4102 CD1 TYR B 231 33.721 36.575 66.632 1.00 31.04 ATOM 4103 CE1 TYR B 231 32.953 37.221 67.582 1.00 39.71 ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67.37 ATOM 4106 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.23			CB				35.391	36.596	64.743	1.00 28.	40
ATOM 4103 CE1 TYR B 231 32.953 37.221 67.582 1.00 39. ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67. ATOM 4106 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.	ATOM 4103 CE1 TYR B 231 32.953 37.221 67.582 1.00 39.71 ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67.37 ATOM 4106 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.23			CG				34.545	37.304		1.00 31.	94
ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44. ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67. ATOM 4106 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.	ATOM 4104 CZ TYR B 231 33.006 38.593 67.685 1.00 44.93 ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67.37 ATOM 4106 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.23										1.00 31.	04
ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67. ATOM 4106 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.	ATOM 4105 OH TYR B 231 32.237 39.231 68.633 1.00 67.37 ATOM 4106 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.23									67.582	1.00 39.	71
ATOM 4106 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.	ATOM 4106 CE2 TYR B 231 33.819 39.333 66.854 1.00 41.23										1.00 44.	93
										68.633		
3 MONE 44 OF STATE OF	ATOM 4107 CD2 TYR B 231 34.587 38.684 65.905 1.00 39.54											
ATOM 410/ CD2 TYR B 231 34.587 38.684 65.905 1.00 39.		ATOM	4107	CD2	TYR	В	231	34.587	38.684	65.905	1.00 39.	54

MOTA	4108	С	TYR	В	231	35.726	36.297	62.305		28.70
ATOM	4109	0	TYR	В	231	36.213	37.238	61.692	1.00	29.85
ATOM	4110	N	ILE	В	232	36.093	35.038	62.062	1.00	24.82
ATOM	4111	CA	ILE	В	232	37.053	34.819	60.989	1.00	25.65
ATOM	4112	СВ	ILE		232	37.473	33.341	60.961	1.00	22.20
MOTA	4113	CG1	ILE		232	38.346	32.951	62.164	1.00	25.46
MOTA	4114	CD1	ILE		232	38.402	31.452	62.401		22.19
ATOM	4115	CG2			232	38.159	32.987	59.653	1.00	26.03
ATOM	4116	C	ILE		232	36.450	35.262	59.657		29.68
ATOM	4117	0	ILE		232	37.061	35.995	58.876		29.18
	4117	N	ASN		233	35.229	34.806	59.410		29.88
ATOM		CA	ASN		233	34.545	35.100	58.151		43.60
ATOM	4119				233	33.148	34.472	58.179		35.22
ATOM	4120	CB					32.979	57.909		32.42
ATOM	4121	CG			233	33.220		57.366		44.01
ATOM	4122		ASN		233	34.221	32.501			
ATOM	4123		ASN		233	32.188	32.220	58.277		29.47
MOTA	4124	С	ASN		233	34.512	36.604	57.892		43.88
MOTA	4125	0	ASN		233	34.637	37.078	56.762		42.08
ATOM	4126	N	ARG		234	34.368	37.357	58.967		40.25
MOTA	4127	CA	ARG		234	34.313	38.803	58.982		36.71
MOTA	4128	CB	ARG	В	234	33.385	39.259	60.130	1.00	40.64
MOTA	4129	CG	ARG	В	234	31.918	39.153	59.733	1.00	50.04
MOTA	4130	CD	ARG		234	30.963	39.234	60.907		52.66
ATOM	4131	NE	ARG	В	234	31.267	40.346	61.795		61.93
ATOM	4132	CZ	ARG	В	234	31.331	40.270	63.116		64.33
ATOM	4133	NH1	ARG	В	234	31.107	39.119	63.732	1.00	53.92
ATOM	4134	NH2	ARG	В	234	31.619	41.352	63.825	1.00	74.42
MOTA	4135	С	ARG	В	234	35.685	39.434	59.137	1.00	37.82
ATOM	4136	0	ARG	В	234	35.784	40.545	59.659	1.00	49.54
ATOM	4137	N	SER			36.743	38.756	58.701	1.00	31.78
ATOM	4138	CA	SER		235	38.087	39.304	58.815	1.00	29.31
ATOM	4139	CB	SER			38.901	38.548	59.875	1.00	32.90
MOTA	4140	OG	SER		235	38.135	38.323	61.045	1.00	44.62
ATOM	4141	C	SER			38.846	39.252	57.494	1.00	35.75
ATOM	4142	0	SER		235	39.935	38.678	57.421	1.00	35.41
ATOM	4143	N	PRO		236	38.319	39.848	56.436		47.17
ATOM	4144	CA	PRO		236	38.933	39.718	55.109		44.13
MOTA	4145	CB	PRO		236	38.008	40.545	54.210	1.00	50.97
ATOM	4146	CG	PRO			37.355	41.506	55.150		56.25
	4147	CD	PRO				40.705	56.408		56.24
ATOM			PRO			40.345	40.289	55.070		37.49
ATOM	4148	С				40.660	41.313	55.678		43.03
ATOM	4149	0	PRO					54.341~		
ATOM	4150	N	GLY			41.209	39.586			33.46
MOTA	4151	CA	GLY			42.601	39.994	54.248		
ATOM	4152	C	GLY			43.421	39.477	55.407		26.07
ATOM	4153	0	GLY			44.630	39.670	55.500		25.20
MOTA	4154	N	ALA			42.775	38.780	56.352		26.17
ATOM	4155	CA	ALA			43.611	38.252	57.430		26.70
MOTA	4156	CB	ALA			42.759	37.864	58.628		26.33
MOTA	4157	С	ALA			44.430	37.058	56.946		32.60
MOTA	4158	0	ALA			44.004	36.279	56.094		20.91
MOTA	4159	N	GLY	В	239	45.618	36.924	57.534	1.00	28.56

ATOM 416 ATOM 416 ATOM 416 ATOM 416 ATOM 416	1 C G 2 O G 3 N P	LY B LY B LY B RO B RO B	239	46.374 45.729 44.556 46.550 46.088	35.691 34.583 34.686 33.575 32.396	57.339 58.179 58.553 58.437 59.170	1.00 28.75 1.00 23.57 1.00 18.99 1.00 19.16 1.00 19.17	
ATOM 416	5 CB P	RO B	240	47.379	31.599	59.391	1.00 21.18	
ATOM 416	6 CG P	RO B	240	48.234	32.001	58.234	1.00 25.38	
ATOM 416			240	47.974	33.480	58.072	1.00 25.67	
ATOM 4168			240	45.451	32.781	60.494	1.00 19.52	
ATOM 416			240	45.740	33.818	61.093	1.00 24.13	
ATOM 4170		HR B		44.550	31.928	60.942	1.00 18.39	
ATOM 417		HR B		43.980	32.007	62.281	1.00 20.07	
ATOM 4172		HR B		42.583	31.387	62.332	1.00 20.89	
ATOM 4173			241	41.622	32.194	61.631	1.00 19.78	
ATOM 4174		HR B		42.096	31.306	63.780	1.00 20.55	
ATOM 4175		HR B		44.926	31.258	63.221	1.00 23.29	
ATOM 4176		HR B		45.272	30.103	62.927	1.00 13.70	
ATOM 417		AL B		45.381	31.875	64.316	1.00 18.05	
ATOM 4178 ATOM 4179		AL B		46.289	31.126	65.197	1.00 19.59	
ATOM 4179 ATOM 4180		AL B		47.234 47.973	32.049 31.281	65.978 67.071	1.00 19.99	
ATOM 4181		AL B		48.256	32.701	65.060	1.00 22.26 1.00 15.38	
ATOM 4182		AL B		45.478	30.266	66.157	1.00 13.38	
ATOM 4183		AL B		44.453	30.702	66.663	1.00 17.52	
ATOM 4184		AL B		45.897	29.019	66.424	1.00 14.34	
ATOM 4185		AL B		45.166	28.247	67.444	1.00 13.16	
ATOM 4186		AL B		44.275	27.150	66.860	1.00 15.05	
ATOM 4187		AL B		43.399	26.461	67.922	1.00 13.07	
ATOM 4188		AL B		43.389	27.729	65.760	1.00 10.83	
ATOM 4189	9 C V	AL B	243	46.218	27.641	68.355	1.00 12.85	
ATOM 4190) O V	AL B	243	47.232	27.116	67.875	1.00 13.00	
ATOM 4191			244	46.034	27.683	69.667	1.00 17.27	
ATOM 4192			244	47.023	27.037	70.522	1.00 14.69	
ATOM 4193			244	48.209	27.931	70.868	1.00 17.49	
ATOM 4194			244	47.942	28.983	71.909	1.00 22.46	
ATOM 4195			244	48.065	28.773	73.260	1.00 18.81	
ATOM 4196			244	47.778	29.877	73.925	1.00 16.49	
ATOM 4197			244	47.471	30.820	73.044	1.00 20.57	
ATOM 4198 ATOM 4199				47.576	30.286	71.781	1.00 22.25	
		IS B		46.349	26.574	71.821	1.00 12.09	
ATOM 4200 ATOM 4201		IS B IS B		45.286	27.061	72.168	1.00 14.03	
ATOM 4201 ATOM 4202		(SB		47.029	25.631 25.083	72.434	1.00 16.27	
ATOM 4202 ATOM 4203		S B		46.655 45.929	23.756	73.747 73.577	1.00 15.96 1.00 24.17	
ATOM 4204		S B		46.767	22.530	72.540	1.00 24.17	1
ATOM 4205		'S B		47.952	25.010	74.536	1.00 19.97	1
ATOM 4206		'S B		48.651	26.039	74.621	1.00 23.79	
ATOM 4207		ER B		48.357	23.869	75.088	1.00 17.71	
ATOM 4208		ER B		49.645	23.864	75.785	1.00 15.20	
ATOM 4209		ER B		49.587	23.047	77.091	1.00 8.58	
ATOM 4210		IR B			23.185	77.745	1.00 14.15	
ATOM 4211		R B		50.725	23.332	74.858	1.00 19.97	

MOTA	4212	0	SER I	3 246	51.746	23.963	74.592	1.00 14.07
MOTA	4213	N	ALA I	3 247	50.505	22.130	74.328	1.00 17.84
MOTA	4214	CA	ALA I	3 247	51.486	21.562	73.428	1.00 12.20
ATOM	4215	СВ	ALA I	3 247	51.563	20.047	73.532	1.00 18.43
ATOM	4216	С	ALA I		51.157	21.898	71.970	1.00 13.39
MOTA	4217	0	ALA I			21.689	71.133	1.00 21.82
ATOM	4218	N	GLY I			22.376	71.712	1.00 11.10
ATOM	4219	CA	GLY I			22.677	70.361	1.00 14.48
ATOM	4220	C	GLY I			21.449	69.571	1.00 26.17
			GLY I			21.419	68.350	1.00 26.33
ATOM	4221	O N	VAL I			20.398	70.200	1.00 19.25
ATOM	4222	N				19.232	69.365	1.00 19.23
ATOM	4223	CA	VAL I				69.401	1.00 13.23
ATOM	4224	CB	VAL I			18.114		
ATOM	4225	CG1	VAL I			18.568	68.977	1.00 15.44
MOTA	4226	CG2	VAL I			17.478	70.794	1.00 20.80
MOTA	4227	С	VAL I			18.672	69.748	1.00 16.22
MOTA	4228	0	VAL			18.434	68.890	1.00 22.29
MOTA	4229	N	GLY I			18.422	71.030	1.00 21.24
ATOM	4230	CA	GLY I			17.751	71.313	1.00 23.25
MOTA	4231	С	GLY H			18.612	71.266	1.00 24.10
MOTA	4232	0	GLY I	3 250	43.159	18.477	70.484	1.00 21.30
MOTA	4233	N	ARG I	3 251		19.606	72.170	1.00 12.60
MOTA	4234	CA	ARG I	3 251	42.891	20.459	72.174	1.00 14.08
MOTA	4235	CB	ARG I	3 251	42.941	21.317	73.449	1.00 17.84
MOTA	4236	CG	ARG I	3 251	42.681	20.419	74.664	1.00 18.30
ATOM	4237	CD	ARG I	3 251	42.862	21.184	75.963	1.00 15.33
ATOM	4238	NE	ARG I	3 251	44.280	21.335	76.262	1.00 21.24
MOTA	4239	CZ	ARG I			22.030	77.317	1.00 22.30
ATOM	4240	NH1				22.588	78.124	1.00 18.21
ATOM	4241	NH2				22.129	77.516	1.00 17.67
ATOM	4242	С	ARG I			21.322	70.928	1.00 18.05
ATOM	4243	0	ARG I			21.598	70.358	1.00 21.59
MOTA	4244	N	THR I			21.740	70.545	1.00 14.56
ATOM	4245	CA	THR I			22.560	69.328	1.00 21.90
ATOM	4246	CB	THR I			23.025	69.081	1.00 21.05
ATOM	4247	OG1				24.089	70.001	1.00 21.60
ATOM	4248	CG2	THR I			23.561	67.670	1.00 19.25
MOTA	4249	C	THR I			21.794	68.120	1.00 21.20
	4250	0	THR I			22.292	67.312	1.00 19.48
MOTA			GLY I			20.545		1.00 22.67
MOTA	4251	N				19.713	66.862	1.00 16.29
ATOM	4252	CA	GLY I				66.821	1.00 10.23
MOTA	4253	C	GLY I			19.395		
ATOM	4254	0	GLY I			19.330	65.747	1.00 19.39
MOTA	4255	N	THR I			19.191	68.022	1.00 25.18
ATOM	4256	CA	THR I		40.194	18.939	68.106	1.00 15.84
ATOM	4257	СВ	THR I		39.805	18.402	69.499	1.00 21.21
ATOM	4258	OG1			40.624	17.266	69.796	1.00 19.04
ATOM	4259		THR I		38.361	17.943	69.525	1.00 24.29
MOTA	4260	С	THR I			20.198	67.781	1.00 19.07
MOTA	4261	0	THR I			20.162	67.182	1.00 21.18
ATOM	4262	N	PHE I			21.367	68.178	1.00 21.95
ATOM	4263	CA	PHE I	3 255	39.225	22.595	67.821	1.00 22.07

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MOTA	4264	CB			255	39.910	23.855	68.368	1.00 20.64
MOTA	4265	CG	PHE	В	255	39.280	25.177	67.939	1.00 16.94
ATOM	4266	CD1	PHE	В	255	38.222	25.716	68.650	1.00 17.36
ATOM	4267	CE1	PHE	В	255	37.628	26.901	68.272	1.00 16.83
MOTA	4268	CZ	PHE	В	255	38.079	27.576	67.156	1.00 20.63
ATOM	4269	CE2	PHE	В	255	39.141	27.067	66.427	1.00 15.59
ATOM	4270	CD2	PHE	В	255	39.730	25.892	66.841	1.00 26.52
MOTA	4271	С			255	39.148	22.712	66.298	1.00 16.89
ATOM	4272	0	PHE		255	38.114	23.045	65.727	1.00 22.55
ATOM	4273	N			256	40.305	22.497	65.682	1.00 22.37
ATOM	4274	CA			256	40.393	22.694	64.232	1.00 26.45
ATOM	4275	CB			256	41.841	22.644	63.742	1.00 22.17
ATOM	4276	CG1			256	42.717	23.802	64.245	1.00 19.09
ATOM	4277	CD1			256	44.182	23.636	63.845	1.00 17.45
	4278	CG2	ILE		256	41.861	22.570	62.218	1.00 25.40
ATOM					256	39.556	21.645	63.513	1.00 25.40
ATOM	4279	С			256		21.045	62.537	1.00 23.01
ATOM	4280	0				38.871			
ATOM	4281	N	ALA			39.588	20.418	64.006	1.00 22.52
ATOM	4282	CA	ALA			38.740	19.395	63.390	1.00 28.35
ATOM	4283	CB	ALA			39.011	18.049	64.057	1.00 23.53
ATOM	4284	С	ALA			37.271	19.768	63.462	1.00 31.55
ATOM	4285	0	ALA			36.495	19.520	62.536	1.00 36.42
ATOM	4286	N	LEU			36.833	20.366	64.568	1.00 27.78
ATOM	4287	CA	LEU			35.425	20.714	64.735	1.00 25.99
ATOM	4288	CB	LEU			35.101	21.046	66.201	1.00 29.85
ATOM	4289	CG	LEU			33.612	21.160	66.530	1.00 31.93
ATOM	4290	CD1	LEU	В	258	32.852	19.931	66.050	1.00 21.42
ATOM	4291	CD2	LEU	В	258	33.381	21.372	68.020	1.00 29.92
ATOM	4292	С	LEU	В	258	35.049	21.898	63.862	1.00 28.98
ATOM	4293	0	LEU	В	258	33.955	21.967	63.306	1.00 33.28
MOTA	4294	N	ASP	В	259	35.976	22.850	63.743	1.00 25.38
ATOM	4295	CA	ASP	В	259	35.725	23.991	62.856	1.00 26.70
ATOM	4296	CB	ASP	В	259	36.911	24.943	62.895	1.00 25.83
MOTA	4297	CG	ASP	В	259	36.704	26.266	62.193	1.00 34.39
ATOM	4298		ASP			35.615	26.855	62.335	1.00 28.39
ATOM	4299		ASP			37.650	26.717	61.505	1.00 32.58
MOTA	4300	С	ASP			35.466	23.504	61.433	1.00 19.95
ATOM	4301	0	ASP			34.559	23.983	60.753	1.00 32.03
ATOM	4302	N	ARG			36.261	22.532	60.984	1.00 24.53
ATOM	4303	CA	ARG			36.087	22.057		1.00 25.87
ATOM	4304	CB	ARG			37.297	21.239	59.169	1.00 26.24
ATOM	4305	CG	ARG			38.591	22.045	59.058	1.00 28.14
MOTA	4306	CD	ARG			39.709	21.131	58.569	1.00 24.62
MOTA	4307	NE	ARG			39.311	20.472	57.320	1.00 31.53
		CZ	ARG			40.177	20.214	56.345	1.00 39.36
ATOM	4308		ARG			41.447	20.563	56.493	1.00 33.30
MOTA	4309								1.00 41.20
ATOM	4310		ARG			39.778	19.617 21.239	55.231	
ATOM	4311	С	ARG			34.822		59.447	1.00 31.74
MOTA	4312	0	ARG			34.189	21.251	58.392	1.00 39.13
ATOM	4313	N	ILE			34.381	20.492	60.468	1.00 30.98
MOTA	4314	CA	ILE			33.208	19.657	60.165	1.00 35.76
ATOM	4315	CB	ILE	В	261	33.146	18.381	61.023	1.00 33.31

ATOM	4316	CG1	ILE	В	261	32.912	18.576	62.521	1.00 27.49
MOTA	4317	CD1	ILE	В	261	33.493	17.459	63.368	1.00 32.91
ATOM	4318	CG2	ILE	В	261	34.414	17.561	60.796	1.00 33.85
ATOM	4319	С	ILE		261	31.938	20.476	60.307	1.00 41.61
ATOM	4320	Ō	ILE		261	30.932	20.212	59.641	1.00 42.61
ATOM	4321	N	LEU		262	31.977	21.494	61.170	1.00 36.25
ATOM	4322	CA			262	30.747	22.281	61.321	1.00 37.79
	4323	CB			262	30.868	23.297	62.448	1.00 33.16
MOTA					262	30.867	22.707	63.865	1.00 34.98
ATOM	4324	CG	LEU				23.791	64.918	1.00 35.24
ATOM	4325	CD1			262	30.730			
MOTA	4326		LEU		262	29.751	21.680	64.011	1.00 39.50
ATOM	4327	С	LEU		262	30.444	22.945	59.982	1.00 48.10
ATOM	4328	0	LEU		262	29.297	23.137	59.592	1.00 54.41
MOTA	4329	N	GLN		263	31.536	23.268	59.294	1.00 42.55
ATOM	4330	CA	GLN		263	31.446	23.852	57.963	1.00 45.39
ATOM	4331	CB	GLN		263	32.819	24.403	57.562	1.00 47.06
MOTA	4332	CG	GLN	В	263	33.160	25.695	58.293	1.00 52.92
MOTA	4333	CD	GLN	В	263	34.546	26.217	57.972	1.00 51.62
ATOM	4334	OE1	GLN	В	263	34.689	27.171	57.208	1.00 48.47
MOTA	4335	NE2	GLN	В	263	35.575	25.609	58.552	1.00 34.73
ATOM	4336	С	GLN		263	30.935	22.825	56.961	1.00 37.20
ATOM	4337	0	GLN		263	29.987	23.076	56.223	1.00 36.52
ATOM	4338	N	GLN		264	31.551	21.651	56.930	1.00 48.77
ATOM	4339	CA	GLN		264	31.089	20.583	56.052	1.00 54.55
ATOM	4340	CB	GLN		264	31.890	19.305	56.289	1.00 51.39
ATOM	4341	CG	GLN		264	33.377	19.395	55.996	1.00 45.82
ATOM	4342	CD	GLN		264	34.080	18.072	56.248	1.00 49.30
		OE1			264	33.426	17.046	56.440	1.00 54.85
ATOM	4343					35.420	18.093	56.256	1.00 34.03
ATOM	4344	NE2			264				1.00 42.32
ATOM	4345	С	GLN		264	29.602	20.309	56.268	
ATOM	4346	0	GLN		264	28.854	20.101	55.312	
ATOM	4347	N	LEU		265	29.169	20.311	57.529	1.00 66.58
ATOM	4348	CA	LEU		265	27.766	20.033	57.816	1.00 67.06
ATOM	4349	CB	LEU		265	27.465	20.150	59.309	1.00 67.27
ATOM	4350	CG		В	265	27.604	18.870	60.130	1.00 71.80
ATOM	4351	CD1	LEU	В	265	27.000	19.066	61.515	1.00 69.10
MOTA	4352	CD2	LEU		265	26.955	17.695	59.409	1.00 78.85
ATOM	4353	С	LEU	В	265	26.858	20.996	57.055	1.00 65.79
ATOM	4354	0	LEU			25.951	20.581	56.340	1.00 62.34
MOTA	4355	N	ASP	В	266	27.140	22.278	57.242	1.00 61.77
MOTA	4356	CA	ASP	В	266	26.333	23.341	56.663	1.00 64.82
ATOM	4357	CB	ASP	В	266	26.740	24.673	57.312	1.00 71.48
MOTA	4358	CG	ASP			26.589	24.603	58.822	1.00 82.79
ATOM	4359		ASP			26.033	23.597	59.312	1.00 89.00
ATOM	4360		ASP			27.021	25.562	59.500	1.00104.58
ATOM	4361	C	ASP			26.454	23.433	55.152	1.00 62.69
ATOM	4362	Ö	ASP			25.779	24.251	54.519	1.00 61.16
ATOM	4363	N	SER			27.294	22.612	54.520	1.00 56.01
ATOM	4364	CA	SER			27.375	22.733	53.063	1.00 54.60
			SER			28.557	23.647	52.720	1.00 53.27
ATOM	4365	CB					23.231	53.454	1.00 33.27
ATOM	4366	OG	SER			29.698			
MOTA	4367	С	SER	R	261	27.529	21.401	52.353	1.00 61.19

MOTA	4368	0	SER	В 267	27.489	21.325	51.121	1.00 78.99
ATOM	4369	N	LYS	B 268	27.711	20.321	53.101	1.00 66.12
ATOM	4370	CA	LYS			19.017	52.481	1.00 67.60
ATOM	4371	CB		B 268		18.583	52.742	1.00 73.63
ATOM	4372	CG	LYS			17.277	52.087	1.00 76.35
MOTA	4373	CD	LYS			17.139	52.000	1.00 69.59
ATOM	4374	CE	LYS	В 268	31.983	17.228	53.356	1.00 57.88
ATOM	4375	NZ	LYS	B 268	32.516	15.916	53.815	1.00 46.13
ATOM	4376	С	LYS	B 268	26.957	17.982	52.997	1.00 59.94
ATOM	4377	0	LYS	B 268	26.428	18.102	54.100	1.00 64.53
ATOM	4378	N		В 269		16.955	52.201	1.00 56.14
ATOM	4379	CA		B 269		15.913	52.591	1.00 60.87
ATOM	4380	CB		3 269		15.392	51.377	1.00 71.26
ATOM	4381	CG		3 269		15.678	50.060	1.00 82.48
ATOM	4382	OD1		3 269		16.846	49.797	1.00101.89
ATOM	4383	OD2				14.725	49.273	1.00103.90
MOTA	4384	С	ASP :	3 269	26.479	14.771	53.294	1.00 57.30
MOTA	4385	0	ASP :	3 269	25.869	13.797	53.732	1.00 54.94
ATOM	4386	N	SER I	3 270	27.797	14.922	53.393	1.00 44.67
ATOM	4387	CA		3 270	28.633	13.990	54.132	1.00 41.73
ATOM	4388	CB		3 270	29.526	13.168	53.206	1.00 43.00
ATOM	4389	OG		3 270	28.790	12.556	52.162	1.00 43.00
ATOM	4390	C		3 270	29.487	14.760	55.142	1.00 42.93
ATOM	4391	0		3 270	29.563	15.988	55.100	1.00 44.44
MOTA	4392	N	VAL 1		30.122	14.024	56.045	1.00 39.47
ATOM	4393	CA	VAL I	3 271	31.033	14.606	57.020	1.00 42.42
MOTA	4394	СВ	VAL I	3 271	30.399	14.754	58.412	1.00 43.26
ATOM	4395	CG1	VAL I	3 271	29.733	13.460	58.864	1.00 32.79
ATOM	4396	CG2	VAL I	3 271	31.460	15.183	59.417	1.00 35.29
MOTA	4397	С	VAL I		32.282	13.735	57.095	1.00 48.99
ATOM	4398	0	VAL I		32.184	12.509	57.041	1.00 58.21
ATOM	4399	N	ASP I		33.444	14.367	57.209	1.00 45.99
			ASP I					
ATOM	4400	CA			34.707	13.648	57.135	1.00 35.10
ATOM	4401	CB	ASP I		35.417	14.055	55.832	1.00 36.44
ATOM	4402	CG	ASP I		36.191	12.901	55.232	1.00 35.96
ATOM	4403	OD1		3 272	36.367	11.892	55.943	1.00 46.07
ATOM	4404	OD2	ASP I		36.621	13.010	54.067	1.00 60.29
MOTA	4405	С	ASP I	3 272	35.605	13.897	58.334	1.00 38.48
ATOM	4406	0	ASP F	3 272	36.631	14.567	58.238	1.00 37.38
ATOM	4407	N	ILE H	3 273	35.225	13.349	59.485	1.00 44.55
ATOM	4408	CA	ILE E		36.018	13.484	60.706	1.00 42.80
ATOM	4409	СВ	ILE E		35.239	12.986	61.941	1.00 44.89
ATOM	4410	CG1	ILE E		34.010	13.836	62.283	1.00 43.95
	4411	CD1	ILE E		32.873	13.080	62.950	1.00 43.55
ATOM								
ATOM	4412		ILE E		36.135	12.859	63.164	1.00 35.00
ATOM	4413	С	ILE F		37.341	12.749	60.554	1.00 43.03
ATOM	4414	0	ILE E		38.397	13.283	60.903	1.00 47.22
ATOM	4415	N	TYR E		37.333	11.528	60.019	1.00 33.68
MOTA	4416	CA	TYR E	3 274	38.587	10.824	59.758	1.00 33.83
ATOM	4417	CB	TYR E	274	38.323	9.463	59.101	1.00 31.32
ATOM	4418	CG	TYR E		39.536	8.615	58.815	1.00 34.21
ATOM	4419	CD1			40.011	7.706	59.752	1.00 27.81
					-0.011		32 0	

MOTA	4420		TYR			41.124	6.936	59.481	1.00 33.31
MOTA	4421	CZ	TYR			41.783	7.051	58.280	1.00 38.03
ATOM	4422	OH	TYR		274	42.894	6.287	57.994	1.00 74.99
ATOM	4423	CE2	TYR		274	41.334	7.942	57.338	1.00 34.20
MOTA	4424	CD2			274	40.227	8.704	57.615	1.00 30.48
MOTA	4425	С	TYR			39.499	11.654	58.857	1.00 30.77
ATOM	4426	0	TYR		274	40.699	11.762	59.091	1.00 42.32
MOTA	4427	N	GLY		275	38.914	12.201	57.796	1.00 33.93
ATOM	4428	CA	GLY		275	39.661	12.924	56.786	1.00 34.96
MOTA	4429	С	GLY		275	40.242	14.213	57.340	1.00 28.44
MOTA	4430	0	GLY			41.328	14.628	56.928	1.00 26.09
ATOM	4431	N	ALA		276	39.508	14.838	58.264	1.00 30.51
MOTA	4432	CA	ALA		276	40.037	16.083	58.849	1.00 32.53
MOTA	4433	CB	ALA			38.977	16.819	59.633	1.00 28.84
MOTA	4434	С	ALA		276	41.233	15.754	59.724	1.00 28.27
ATOM	4435	0	ALA		276	42.298	16.355	59.634	1.00 27.29
MOTA	4436	N	VAL		277	41.052	14.745	60.587	1.00 22.62
MOTA	4437	CA	VAL			42.157	14.409	61.478	1.00 22.13
ATOM	4438	CB	VAL		277	41.713	13.420	62.569	1.00 25.76
MOTA	4439	CG1	VAL		277	42.931	12.861	63.293	1.00 33.74
MOTA	4440	CG2	VAL		277	40.769	14.087	63.561	1.00 22.07
ATOM	4441	С	VAL			43.342	13.846	60.712	1.00 31.87
MOTA	4442	0	VAL		277	44.512	14.018	61.076	1.00 30.97
ATOM	4443	N	HIS	В	278	43.053	13.141	59.616	1.00 26.49
ATOM	4444	CA	HIS	В	278	44.180	12.632	58.831	1.00 24.97
ATOM	4445	CB	HIS	В	278	43.663	11.735	57.699	1.00 26.29
ATOM	4446	CG	HIS	В	278	44.716	11.393	56.689	1.00 35.64
MOTA	4447		HIS		278	45.145	12.273	55.723	1.00 32.18
ATOM	4448		HIS		278	46.077	11.699	54.986	1.00 36.91
ATOM	4449		HIS		278	46.280	10.473	55.443	1.00 39.75
MOTA	4450	CD2	HIS		278	45.440	10.261	56.509	1.00 40.27
ATOM	4451	С	HIS		278	44.988	13.809	58.294	1.00 17.49
ATOM	4452	0			278	46.212	13.862	58.377	1.00 21.10
MOTA	4453	N	ASP		279	44.262	14.777	57.736	1.00 23.86
ATOM	4454	CA		В	279	44.908	15.964	57.171	1.00 33.69
MOTA	4455	CB			279	43.864	16.870	56.522	1.00 34.31
MOTA	4456	CG	ASP		279	44.369	17.652	55.325	1.00 49.90
ATOM	4457		ASP		279	45.255	17.163	54.584	1.00 38.05
MOTA	4458		ASP			43.867	18.782	55.115	1.00 40.80
MOTA	4459	С	ASP			45.697	16.716	58.238	1.00 26.60
ATOM	4460	0	ASP			46.841	17.124	58.034	1.00 28.11
ATOM	4461	N	LEU			45.088	16.895	59.408	1.00 25.81
MOTA	4462	CA	LEU			45.801	17.538	60.510	1.00 28.08
MOTA	4463	CB	LEU			44.955	17.535	61.782	1.00 24.40
MOTA	4464	CG	LEU			43.689	18.389	61.749	1.00 26.95
MOTA	4465		LEU			43.088	18.489	63.138	1.00 30.65
ATOM	4466		LEU			43.987	19.757	61.164	1.00 49.17
ATOM	4467	С	LEU			47.117	16.834	60.804	1.00 32.98
MOTA	4468	0	LEU			48.141	17.483	61.022	1.00 28.16
ATOM	4469	N	ARG			47.078	15.503	60.816	1.00 21.92
ATOM	4470	CA	ARG			48.252	14.703	61.134	1.00 14.30
MOTA	4471	CB	ARG	В	281	47.854	13.212	61.199	1.00 15.59

ATOM	4472	CG	ARG	В	281	46.856	12.946	62.326	1.00 30.08
MOTA	4473	CD	ARG	В	281	47.580	12.419	63.554	1.00 35.07
ATOM	4474	NE	ARG	В	281	46.665	12.288	64.685	1.00 41.36
ATOM	4475	CZ	ARG			46.356	11.125	65.243	1.00 44.73
					281	46.894	10.010	64.769	1.00 39.14
MOTA	4476		ARG					66.268	
ATOM	4477		ARG		281	45.515	11.092		1.00 40.94
ATOM	4478	С	ARG			49.378	14.834	60.141	1.00 16.56
MOTA	4479	0	ARG	В	281	50.574	14.692	60.430	1.00 23.41
ATOM	4480	N	LEU	В	282	49.000	15.098	58.885	1.00 21.94
ATOM	4481	CA	LEU	В	282	50.085	15.295	57.919	1.00 22.08
MOTA	4482	СВ	LEU		282	49.505	15.415	56.508	1.00 30.24
ATOM	4483	CG	LEU			48.946	14.129	55.895	1.00 38.66
	4484	CD1	LEU		282	48.260	14.402	54.563	1.00 35.05
ATOM								55.724	1.00 35.03
MOTA	4485		LEU		282	50.055	13.099		
ATOM	4486	С	LEU		282	50.921	16.528	58.246	1.00 22.11
ATOM	4487	0	LEU		282	52.089	16.605	57.854	1.00 27.03
MOTA	4488	N	HIS	В	283	50.359	17.509	58.949	1.00 19.17
ATOM	4489	CA	HIS	В	283	51.085	18.767	59.129	1.00 22.40
ATOM	4490	CB	HIS	В	283	50.140	19.931	58.762	1.00 28.15
ATOM	4491	CG		В	283	49.775	19.824	57.305	1.00 27.86
ATOM	4492	ND1		В	283	48.636	19.183	56.872	1.00 29.65
ATOM	4493		HIS		283	48.585	19.229	55.549	1.00 28.25
			HIS		283	49.648	19.884	55.115	1.00 28.83
ATOM	4494								
ATOM	4495				283	50.417	20.257	56.193	1.00 25.31
ATOM	4496	С	HIS		283	51.683	18.946	60.513	1.00 16.39
ATOM	4497	0	HIS		283	52.619	19.732	60.696	1.00 19.23
ATOM	4498	N	ARG	В	284	51.215	18.186	61.499	1.00 14.42
ATOM	4499	CA	ARG	В	284	51.851	18.254	62.811	1.00 16.63
ATOM	4500	СВ	ARG	В	284	51.353	19.503	63.539	1.00 17.04
ATOM	4501	CG	ARG		284	51.990	19.779	64.894	1.00 20.73
ATOM	4502	CD	ARG		284	51.670	21.227	65.288	1.00 19.31
ATOM	4503	NE	ARG		284	51.932	21.473	66.705	1.00 16.50
							22.065	67.155	1.00 18.89
ATOM	4504	CZ	ARG		284	53.027			
MOTA	4505		ARG		284	53.961	22.471	66.295	1.00 16.50
ATOM	4506		ARG		284	53.184	22.249	68.464	1.00 12.75
ATOM	4507	С	ARG		284	51.515	17.002	63.621	1.00 15.24
MOTA	4508	0	ARG	В	284	50.395	16.503	63.515	1.00 21.78
ATOM	4509	N	VAL	В	285	52.472	16.553	64.400	1.00 22.07
ATOM	4510	CA	VAL	В	285	52.309	15.357	65.228	1.00 18.47
MOTA	4511	СВ	VAL		285	53.643	15.032	65.919	1.00 22.85
ATOM	4512		VAL			53.931	15.996	67.065	1.00 21.98
ATOM	4513		VAL			53.647	13.591	66.415	1.00 31.56
	4514		VAL			51.181	15.513	66.237	1.00 31.62
ATOM		C							1.00 31.02
ATOM	4515	0	VAL			50.887	16.594	66.739	
MOTA	4516	N	HIS			50.511	14.404	66.519	1.00 35.82
MOTA	4517	CA	HIS			49.576	14.183	67.598	1.00 24.99
ATOM	4518	CB	HIS	В	286	50.264	14.498	68.941	1.00 23.90
ATOM	4519	CG	HIS	В	286	51.337	13.511	69.289	1.00 30.81
MOTA	4520		HIS			51.236	12.162	69.015	1.00 39.23
ATOM	4521		HIS			52.326	11.537	69.425	1.00 40.25
ATOM	4522		HIS			53.144	12.431	69.963	1.00 40.87
ATOM	4523		HIS			52.543	13.669	69.883	1.00 30.11
AION	472J	CDZ	1110	ט	200	22.343	-0.000	55.505	

MOTA	4524	С	HIS	B 2	286	48.282	14.973	67.520	1.00	28.12	
ATOM	4525	0	HIS			47.543	15.026	68.515	1.00	34.48	
ATOM	4526	N	MET	B 2	287	47.981	15.578	66.382	1.00	19.24	
ATOM	4527	CA	MET	В 2	287	46.741	16.320	66.214	1.00	22.67	
MOTA	4528	СВ	MET	B 2	287	46.545	16.759	64.771	1.00	29.06	
ATOM	4529	CG			287	47.551	17.692	64.153	1.00	26.09	
ATOM	4530	SD			287	47.319	19.403	64.727	1.00	57.61	1
ATOM	4531	CE			287	48.486	19.307	66.054	1.00	8.09	
ATOM	4532	C			287	45.535	15.468	66.623	1.00	35.86	
ATOM	4533	0	MET			45.367	14.357	66.108	1.00	33.56	
ATOM	4534	N	VAL			44.728	16.000	67.527		31.94	
MOTA	4535	CA	VAL			43.671	15.249	68.206		29.58	
ATOM	4536	СВ	VAL			42.591	14.724	67.262		25.44	
ATOM	4537	CG1	VAL			41.504	13.994	68.051		27.03	
ATOM	4538	CG2	VAL			41.978	15.870	66.483		25.23	
ATOM	4539	C	VAL			44.331	14.102	68.975		28.49	
ATOM	4540	0	VAL			44.486	12.998	68.463		31.96	
ATOM	4541	N	GLN			44.734	14.434	70.194		22.07	
MOTA	4542	CA	GLN			45.722	13.703	70.953		30.99	
ATOM	4543	CB	GLN			46.399	14.641	71.955		32.52	
ATOM	4544	CG	GLN			47.584	14.032	72.686		31.56	
ATOM	4545	CD	GLN			47.342	13.990	74.187	1.00	46.43	
ATOM	4546	OE1	GLN			46.897	14.972	74.782		45.11	
ATOM	4547	NE2	GLN			47.639	12.848	74.795		56.32	
ATOM	4548	C	GLN			45.165	12.495	71.695		34.06	
ATOM	4549	0	GLN			45.949	11.582	71.976		37.74	
ATOM	4550	N	THR			43.874	12.473	71.997		34.47	
ATOM	4551	CA	THR			43.323	11.278	72.636		38.23	
ATOM	4552	CB	THR			42.869	11.533	74.089		29.88	
ATOM	4553	OG1	THR			41.723	12.396	74.064			
ATOM	4554	CG2	THR			43.954	12.209	74.903		30.96	
ATOM	4555	C	THR			42.131	10.704	71.879		38.89	
MOTA	4556	0	THR			41.394	11.381	71.170	1.00	37.95	
ATOM	4557	N	GLU			41.927	9.397	72.062	1.00	40.68	
ATOM	4558	CA	GLU			40.760	8.735	71.494	1.00	35.35	
ATOM	4559	CB	GLU			40.764	7.261	71.915		46.96	
ATOM	4560	CG	GLU			39.750	6.391	71.186			
MOTA	4561	CD	GLU			39.890	4.935	71.603		55.59	
ATOM	4562	OE1	GLU			38.878	4.210	71.644		67.94	
ATOM	4563		GLU			41.035	4.536	71.899		48.99	
ATOM	4564	C	GLU			39.465	9.394	71.939		29.83	
ATOM	4565	0	GLU			38.487	9.486	71.192		34.01	
ATOM	4566	N	CYS			39.421	9.874	73.194		31.22	
ATOM	4567	CA	CYS			38.144	10.429	73.647		30.43	
MOTA	4568	CB	CYS			38.112	10.562	75.169		36.01	
ATOM	4569	SG	CYS			39.681	11.083	75.904		131.76	1
ATOM	4570	C	CYS			37.862	11.764	72.979		24.32	_
	4570	0	CYS			36.720	12.200	72.903		28.29	
ATOM	4571	N	GLN			38.915	12.415	72.489		33.10	
ATOM	4572	CA	GLN			38.751	13.630	71.694		30.62	
ATOM	4574	CB	GLN			40.117	14.322	71.527		28.49	
ATOM		CG	GLN			40.470	15.209	72.711		27.02	
MOTA	4575	CG	אותט	D 4	499	JU . 2 / U	10.203	, 2 , 1.1	7.00		

ATOM	4576	CD	GLN	В	293	41.904	15.666	72.787	1.00 29.40
MOTA	4577	OE1	GLN	В	293	42.722	15.395	71.907	1.00 31.27
ATOM	4578	NE2	GLN	В	293	42.261	16.375	73.858	1.00 29.27
ATOM	4579	С		В	293	38.132	13.286	70.347	1.00 26.72
MOTA	4580	0	GLN		293	37.224	13.930	69.828	1.00 39.00
ATOM	4581	N	TYR			38.662	12.203	69.763	1.00 28.45
	4582	CA	TYR			38.117	11.677	68.512	1.00 24.87
ATOM			TYR				10.398	68.098	1.00 32.22
ATOM	4583	CB				38.861			1.00 32.22
ATOM	4584	CG	TYR			38.628	10.021	66.650	
MOTA	4585	CD1	TYR			39.072	10.848	65.621	1.00 43.00
MOTA	4586	CE1	TYR			38.867	10.520	64.294	1.00 47.37
ATOM	4587	CZ	TYR			38.207	9.350	63.975	1.00 48.16
ATOM	4588	OH	TYR			38.001	9.025	62.651	1.00 34.98
MOTA	4589	CE2	TYR			37.756	8.516	64.976	1.00 41.30
ATOM	4590	CD2	TYR			37.966	8.851	66.302	1.00 40.38
ATOM	4591	С	TYR	В	294	36.628	11.405	68.664	1.00 32.24
MOTA	4592	0	TYR	В	294	35.800	11.862	67.885	1.00 38.08
ATOM	4593	N	VAL	В	295	36.302	10.647	69.711	1.00 45.53
ATOM	4594	CA	VAL	В	295	34.926	10.315	70.045	1.00 44.59
ATOM	4595	CB	VAL	В	295	34.844	9.467	71.331	1.00 40.45
ATOM	4596	CG1	VAL	В	295	33.478	9.640	71.975	1.00 39.76
ATOM	4597		VAL			35.134	8.009	71.030	1.00 42.13
ATOM	4598	С	VAL			34.096	11.573	70.258	1.00 43.22
ATOM	4599	Ö	VAL			32.963	11.696	69.798	1.00 39.21
ATOM	4600	N	TYR			34.680	12.529	70.983	1.00 39.28
ATOM	4601	CA	TYR			33.973	13.791	71.204	1.00 38.11
ATOM	4602	CB	TYR			34.866	14.740	72.004	1.00 36.49
ATOM	4603	CG	TYR			34.235	16.065	72.341	1.00 29.43
ATOM	4604	CD1	TYR			33.274	16.182	73.337	1.00 26.96
	4604	CE1	TYR			32.688	17.392	73.655	1.00 26.29
ATOM			TYR			33.072	18.524	72.963	1.00 36.48
ATOM	4606	CZ				32.503	19.739	73.267	1.00 28.44
ATOM	4607	OH	TYR					71.970	1.00 20.44
ATOM	4608	CE2	TYR		296	34.023	18.443		
ATOM	4609	CD2	TYR		296	34.602	17.224	71.661	
ATOM	4610	С	TYR			33.582	14.431	69.883	1.00 30.28
ATOM	4611	0	TYR			32.516	15.027	69.739	1.00 28.21
MOTA	4612	N	LEU		297	34.477	14.309	68.896	1.00 32.45
ATOM	4613	CA		В	297	34.172	14.905	67.592	1.00 29.13
ATOM	4614	CB	LEU			35.329	14.627	66.633	1.00 28.47
MOTA	4615	CG	LEU			36.560	15.523	66.842	1.00 31.47
ATOM	4616		LEU			37.742	14.998	66.052	1.00 24.45
ATOM	4617	CD2	LEU	В	297	36.235	16.958	66.462	1.00 26.38
MOTA	4618	С	LEU	В	297	32.852	14.378	67.039	1.00 34.78
MOTA	4619	0	LEU	В	297	31.967	15.133	66.639	1.00 26.92
ATOM	4620	N	HIS	В	298	32.719	13.055	67.036	1.00 42.39
MOTA	4621	CA	HIS			31.505	12.405	66.536	1.00 42.94
ATOM	4622	СВ	HIS			31.714	10.888	66.528	1.00 40.75
ATOM	4623	CG	HIS			32.747	10.427	65.545	1.00 42.36
ATOM	4624		HIS			34.085	10.309	65.850	1.00 43.84
ATOM	4625		HIS			34.758	9.881	64.795	1.00 39.31
ATOM	4626		HIS			33.901	9.708	63.804	1.00 42.05
ATOM	4627		HIS			32.640	10.043	64.249	1.00 43.47
TITOU	1021	CDZ	1110	ט	200	52.040	10.010		

ATOM 4628 C HIS B 298 30.278 12.791 67.348 1.00 3 ATOM 4629 O HIS B 298 29.192 12.997 66.800 1.00 3 ATOM 4630 N GLN B 299 30.409 12.916 68.669 1.00 3 ATOM 4631 CA GLN B 299 29.266 13.336 69.483 1.00 3	32.51 33.21
ATOM 4630 N GLN B 299 30.409 12.916 68.669 1.00 3 ATOM 4631 CA GLN B 299 29.266 13.336 69.483 1.00 3	33.21
ATOM 4631 CA GLN B 299 29.266 13.336 69.483 1.00 3	
ATOM 4631 CA GLN B 299 29.266 13.336 69.483 1.00 3	12 22
	33.23
ATOM 4632 CB GLN B 299 29.581 13.264 70.982 1.00 4	10.20
ATOM 4634 CD GLN B 299 30.348 11.829 72.937 1.00 5	
ATOM 4635 OE1 GLN B 299 31.345 12.313 73.477 1.00 5	
ATOM 4636 NE2 GLN B 299 29.412 11.192 73.633 1.00 6	
ATOM 4637 C GLN B 299 28.826 14.743 69.114 1.00 3	
ATOM 4638 O GLN B 299 27.638 15.068 69.089 1.00 4	1.61
ATOM 4639 N CYS B 300 29.787 15.623 68.810 1.00 3	32.51
ATOM 4640 CA CYS B 300 29.370 16.967 68.419 1.00 2	25.41
ATOM 4641 CB CYS B 300 30.603 17.848 68.163 1.00 2	
ATOM 4644 O CYS B 300 27.472 17.628 67.074 1.00 3	
ATOM 4645 N VAL B 301 28.920 16.157 66.190 1.00 3	
ATOM 4646 CA VAL B 301 28.176 16.043 64.943 1.00 3	
ATOM 4647 CB VAL B 301 28.938 15.212 63.899 1.00 3	
ATOM 4648 CG1 VAL B 301 28.024 14.868 62.728 1.00 4	0.94
ATOM 4649 CG2 VAL B 301 30.179 15.957 63.430 1.00 3	37.17
ATOM 4650 C VAL B 301 26.819 15.404 65.220 1.00 2	27.85
ATOM 4651 O VAL B 301 25.795 15.854 64.720 1.00 3	
	8.82
ATOM 4655 CG ARG B 302 24.477 11.943 67.886 1.00 5	
ATOM 4656 CD ARG B 302 24.723 11.322 69.253 1.00 5	
ATOM 4657 NE ARG B 302 24.895 12.340 70.291 1.00 6	
ATOM 4658 CZ ARG B 302 25.940 12.384 71.110 1.00 6	8.57
ATOM 4659 NH1 ARG B 302 26.895 11.472 71.013 1.00 8	18.06
ATOM 4660 NH2 ARG B 302 26.046 13.329 72.036 1.00 6	2.92
ATOM 4661 C ARG B 302 24.599 14.715 66.979 1.00 5	
ATOM 4662 O ARG B 302 23.481 14.911 66.506 1.00 5	
ATOM 4666 CG ASP B 303 25.039 15.864 70.980 1.00 5	
ATOM 4667 OD1 ASP B 303 24.298 14.861 70.855 1.00 4	
ATOM 4668 OD2 ASP B 303 25.846 15.982 71.927 1.00 3	
ATOM 4669 C ASP B 303 23.795 17.459 67.691 1.00 4	0.46
ATOM 4670 O ASP B 303 22.662 17.955 67.734 1.00 5	6.09
ATOM 4671 N VAL B 304 24.662 17.874 66.763 1.00 3	4.45
ATOM 4672 CA VAL B 304 24.201 18.942 65.868 1.00 4	8.95
ATOM 4673 CB VAL B 304 25.351 19.587 65.075 1.00 4	
ATOM 4674 CG1 VAL B 304 24.862 20.185 63.765 1.00 2	
ATOM 4675 CG2 VAL B 304 26.027 20.662 65.919 1.00 5	
ATOM 4676 C VAL B 304 23.143 18.410 64.907 1.00 5	
ATOM 4676 C VAL B 304 23.143 18.410 64.907 1.00 5 ATOM 4677 O VAL B 304 22.147 19.072 64.611 1.00 4	7.47
ATOM 4676 C VAL B 304 23.143 18.410 64.907 1.00 5	7.47 1.63

								1 00 11 00
ATOM	4680	CB	LEU B	305	22.844	15.260	62.996	1.00 41.22
ATOM	4681	CG	LEU B	305	24.018	15.265	62.015	1.00 34.32
ATOM	4682	CD1	LEU B	305	24.215	13.904	61.375	1.00 47.80
ATOM	4683	CD2	LEU B		23.809	16.325	60.944	1.00 28.65
	4684	C	LEU B		21.001	16.567	64.128	1.00 56.67
MOTA					20.041	17.177	63.650	1.00 54.42
ATOM	4685	0	LEU B					1.00 57.52
MOTA	4686	N	ARG B		20.874	15.835	65.235	
MOTA	4687	CA	ARG B		19.539	15.658	65.806	1.00 66.45
ATOM	4688	CB	ARG B		19.575	14.723	67.019	1.00 67.88
MOTA	4689	CG	ARG B	306	20.951	14.533	67.625	1.00 72.91
ATOM	4690	CD	ARG B	306	20.877	14.354	69.133	1.00 75.55
MOTA	4691	NE	ARG B	306	21.300	13.007	69.521	1.00 78.32
ATOM	4692	CZ	ARG B		21.914	12.752	70.670	1.00 79.74
ATOM	4693	NH1			22.161	13.748	71.509	1.00 73.02
	4694	NH2			22.275	11.514	70.971	1.00 90.52
ATOM					18.884	16.972	66.211	1.00 65.71
ATOM	4695	С	ARG B				66.270	1.00 60.57
MOTA	4696	0	ARG B		17.651	17.050		
ATOM	4697	N	ALA B		19.674	18.000	66.503	1.00 63.41
MOTA	4698	CA	ALA B		19.082	19.268	66.929	1.00 60.95
ATOM	4699	CB	ALA B	307	20.137	20.143	67.585	1.00 47.72
ATOM	4700	С	ALA B	307	18.413	19.987	65.760	1.00 65.50
ATOM	4701	0	ALA B	307	17.285	20.470	65.877	1.00 57.65
ATOM	4702	N	ARG B	308	19.113	20.054	64.634	1.00 73.88
ATOM	4703	CA	ARG B		18.601	20.681	63.421	1.00 83.95
ATOM	4704	CB	ARG B		19.685	20.718	62.342	1.00 82.20
ATOM	4705	CG	ARG B		21.069	21.087	62.860	1.00 81.07
	4706	CD	ARG B		22.138	20.840	61.803	1.00 76.97
ATOM					21.546	20.677	60.482	1.00 76.87
ATOM	4707	NE	ARG B	308			59.337	1.00 74.18
ATOM	4708	CZ	ARG B		22.159	20.442		1.00 74.18
ATOM	4709	NH1	ARG B		23.476	20.316	59.248	
MOTA	4710		ARG B		21.427	20.324	58.233	1.00 64.71
ATOM	4711	С	ARG B		17.365	19.943	62.917	1.00 92.86
MOTA	4712	0	ARG B		16.278	20.515	62.815	1.00 85.75
ATOM	4713	N	LYS B	309	17.535	18.658	62.606	1.00 97.18
ATOM	4714	CA	LYS B	309	16.407	17.851	62.152	1.00101.48
ATOM	4715	CB	LYS B	309	16.828	16.414	61.850	1.00103.32
ATOM	4716	CG	LYS B	309	15.687	15.410	61.805	1.00104.02
MOTA	4717	CD	LYS B	309	15.273	15.077	60.382	1.00104.29
ATOM	4718	CE	LYS B	309	13.920	14.382	60.342	1.00101.24
ATOM		NZ	LYS B			13.409	59.216	1.00 84.67
ATOM	4720	C	LYS B		15.292	17.866	63.202	1.00101.41
	4721	0	LYS B		15.282	16.996	64.071	1.00109.20
ATOM			LEU B		14.415	18.846	63.079	1.00 97.60
ATOM	4722	N				19.077	63.916	1.00 95.62
MOTA	4723	CA	LEU B		13.251			1.00 95.83
MOTA	4724	CB	LEU B		13.533	18.739	65.380	
ATOM	4725	CG	LEU B		13.082	17.359	65.866	1.00 98.74
MOTA	4726		LEU B		12.607	16.487	64.713	1.00 84.93
ATOM	4727		LEU B		14.202	16.667	66.632	1.00113.56
ATOM	4728	С	LEU B	310	12.786	20.528	63.789	1.00 92.71
ATOM	4729	0	LEU B	310	12.515	21.222	64.765	1.00 74.63
ATOM	4730	014	INH Z	2	55.288	16.173	78.572	1.00 68.22
MOTA	4731	04	INH Z	2	48.070	20.932	75.258	1.00 24.37

ATOM	4732	S1	INH	Z	2	47.385	19.830	74.500	1.00	29.84	1
ATOM	4733	02	INH	Z	2	48.097	19.600	73.249	1.00	23.28	
ATOM	4734	03	INH		2	45.976	19.785	74.420	1.00	19.75	
ATOM	4735	N1	INH		2	47.628	18.601	75.423	1.00	29.61	
MOTA	4736	C2	INH		2	48.913	18.097	75.576	1.00	22.41	
ATOM	4737	C1	INH		2	49.706	18.569	76.616		17.58	
MOTA	4738	C3	INH		2	49.439	17.157	74.694		25.75	
	4739	C4	INH		2	50.726	16.698	74.879		21.37	
MOTA		C5	INH		2	51.537	17.205	75.894	1.00	28.97	
ATOM	4740					50.996	18.159	76.786	1.00	18.78	
ATOM	4741	C6	INH		2		16.759	76.061	1.00	30.10	
ATOM	4742	C8	INH		2	52.976				38.47	
MOTA	4743	C7	INH		2	53.147	15.585	77.076			
ATOM	4744	C9	INH		2	52.112	14.479	76.942		50.15	
MOTA	4745	N2	INH		2	52.210	13.593	75.955	1.00	46.78	
ATOM	4746	C10	INH		2	51.114	12.942	75.276	1.00		
ATOM	4747	01	INH		2	51.204	14.431	77.757	1.00	53.75	
ATOM	4748	N11	INH		2	53.037	16.040	78.545		43.33	
ATOM	4749	C12	INH	Z	2	54.320	16.516	79.194	1.00	55.88	
MOTA	4750	06	INH	Z	2	54.055	17.245	80.374	1.00		
ATOM	4751	C13	INH	Z	2	55.182	17.437	81.254	1.00	68.88	
ATOM	4752	C14	INH	Z	2	55.890	18.762	81.044	1.00		
ATOM	4753	C15	INH	Z	2	57.051	18.833	80.275	1.00	67.74	
ATOM	4754	C16	INH	Z	2	57.681	20.064	80.042		70.03	
ATOM	4755	C17	INH	Z	2	57.152	21.249	80.558	1.00	70.11	
ATOM	4756	C18	INH		2	55.999	21.166	81.352	1.00	69.36	
MOTA	4757	C19	INH		2	55.377	19.934	81.606	1.00	69.79	
ATOM	4758	014	INH		1	-1.113	8.871	44.215	1.00	38.80	
ATOM	4759	04	INH	Z	1	6.622	4.171	41.248	1.00	25.08	
ATOM	4760	S1	INH		1	7.335	5.325	40.618	1.00	22.22	1
ATOM	4761	02		Z	1	6.828	5.548	39.260	1.00	16.51	
MOTA	4762	03	INH		1	8.747	5.431	40.711		19.75	
ATOM	4763	N1	INH		1	6.835	6.493	41.497		20.76	
ATOM	4764	C2	INH		1	5.527	6.957	41.421		21.28	
ATOM	4765	C1	INH		1	4.584	6.427	42.291		13.44	
ATOM	4766	C3	INH	Z	1	5.132	7.960	40.530		21.95	
	4767	C4	INH		1	3.817	8.382	40.524		18.36	
MOTA MOTA	4768	C5	INH		1	2.870	7.861	41.415		23.03	
			INH		1	3.283	6.862	42.323	1.00	16.81	
ATOM	4769	C6			1	1.429	8.323	41.430		24.83	
ATOM	4770	C8	INH				9.380	42.549		39.39	
MOTA	4771	C7	INH		1	1.120		42.630		40.58	
ATOM	4772	C9	INH		1	2.120	10.521			41.79	
ATOM	4773	N2	INH		1	2.202	11.436	41.667		43.35	
ATOM	4774	C10	INH		1	3.287	12.393	41.566			
ATOM	4775	01	INH		1	2.868	10.605	43.592		44.71	
MOTA	4776		INH		1	1.157	8.742	43.948		50.75	
MOTA	4777		INH		1	-0.086	8.670	44.797		50.71	
MOTA	4778	06	INH		1	0.284	8.365	46.128		57.94	
ATOM	4779	C13	INH		1	-0.788	8.005	47.016		62.79	
ATOM	4780	C14	INH		1	-1.038	6.513	47.116		58.14	
MOTA	4781	C15	INH	Z	1	-2.097	5.926	46.420		57.59	
MOTA	4782	C16	INH	Z	1	-2.357	4.551	46.525		58.75	
MOTA	4783	C17	INH	Z	1	-1.560	3.742	47.338	1.00	55.57	

ATOM	4784	C18	INH	Z	1	-0.493	4.337	48.028	1.00	55.37
ATOM	4785	C19	INH	Z	1	-0.220	5.707	47.913	1.00	55.41
ATOM	4786	01	НОН	W	1	10.045	-6.206	48.501	1.00	9.70
MOTA	4787	01	НОН	W	2	44.009	31.332	82.099	1.00	12.76
MOTA	4788	01	НОН	W	3	-1.504	3.025	37.601	1.00	14.12
ATOM	4789	01	НОН		4	56.634	21.887	72.619	1.00	18.84
ATOM	4790	01	НОН		5	-3.336		27.653	1.00	16.96
ATOM	4791	01	НОН		6	59.893	27.230	63.111	1.00	
ATOM	4792	01	НОН		7	0.940		29.426	1.00	15.51
ATOM	4793	01	НОН		8	56.585	29.393	71.563	1.00	17.34
ATOM	4794	01	НОН		. 9	-3.244	-3.725	34.798	1.00	13.56
ATOM	4795	01	НОН		10	1.553	-4.822	35.953	1.00	13.15
ATOM	4796	01	НОН		11	-4.895	-5.747	33.816	1.00	16.00
ATOM	4797	01	HOH		12	55.065	17.796	64.150	1.00	18.78
ATOM	4798	01	НОН		13	-2.710	7.632	22.526		25.85
ATOM	4799	01	НОН		14	-1.058	-4.632	36.416	1.00	16.59
MOTA	4800	01	НОН		15	58.883	28.512	70.102	1.00	17.41
ATOM	4801	01	НОН		16	14.129	-11.346	42.224	1.00	25.25
ATOM	4802	01	НОН		17	15.198	-5.722	25.861	1.00	17.95
ATOM	4803	01	нон		18	-5.309	3.570	27.477	1.00	17.89
MOTA	4804	01	нон	W	19	59.756	17.517	57.776	1.00	24.77
MOTA	4805	01	НОН	W	20	-6.619	-5.980	43.124	1.00	18.09
ATOM	4806	01	НОН	W	21	54.142	29.809	70.726	1.00	17.84
ATOM	4807	01	НОН	W	22	0.201	-5.367	22.242	1.00	20.61
ATOM	4808	01	НОН	W	23	4.276	11.648	28.034	1.00	21.90
ATOM	4809	01	НОН	W	24	51.995	13.231	62.486	1.00	21.98
ATOM	4810	01	нон	W	25	-2.328	13.484	27.320	1.00	20.24
ATOM	4811	01	НОН	W	26	41.283	24.669	80.924		23.47
ATOM	4812	01	нон		27	13.869	-0.367	45.406	1.00	23.14
ATOM	4813	01	НОН	W	28	15.304	-9.348	27.802		21.59
ATOM	4814	01	НОН		29	12.631	-10.292	28.093	1.00	20.50
ATOM	4815	01	НОН		30	44.431	39.247	81.240		25.13
ATOM	4816	01	НОН		31	-0.865	-4.102	45.807	1.00	17.03
ATOM	4817	01	НОН		32	56.944	30.639	57.225	1.00	27.48
ATOM	4818	01	НОН		33	44.974	29.800	84.482	1.00	24.66
ATOM	4819	01	НОН		34	40.344	25.679	78.385		25.40
ATOM	4820	01	НОН		35	-0.817	11.896	36.268		27.05
ATOM	4821	01	НОН		36	45.813	26.347	88.982	1.00	29.74
ATOM	4822	01	НОН		37	61.459	21.495	62.950	1.00	24.86
ATOM	4823	01	НОН			61.161	30.493	78.889		24.20
ATOM	4824	01			38 39					
			НОН			18.380	-0.097	25.182		20.65
ATOM	4825	01	НОН		40	51.721	30.553	83.500		23.95
ATOM	4826	01	НОН		41	44.911	34.060	54.571		25.17
ATOM	4827	01	НОН		42	55.088	28.823	80.613		20.78
ATOM	4828	01	НОН		43	38.439	25.424	57.676		24.32
ATOM	4829	01	НОН		44	17.651	-4.708	24.960		23.35
ATOM	4830	01	НОН		45	60.668	30.480	69.410		20.33
ATOM	4831	01	НОН		46		-14.189	47.531		30.12
ATOM	4832	01	НОН		47	-0.430	-5.789	47.698		31.64
ATOM	4833	01	НОН		48	49.454	24.259	54.551		24.40
ATOM	4834	01	HOH		49	8.659	-4.775	50.631	1.00	26.30
ATOM	4835	01	НОН	W	50	8.016	-21.216	43.873	1.00	28.15

ATOM 4836 O1 HOH W 51 ATOM 4837 O1 HOH W 52 ATOM 4839 O1 HOH W 52 ATOM 4839 O1 HOH W 52 ATOM 4839 O1 HOH W 54 ATOM 4839 O1 HOH W 54 ATOM 4839 O1 HOH W 54 ATOM 4840 O1 HOH W 55 ATOM 4841 O1 HOH W 55 ATOM 4841 O1 HOH W 55 ATOM 4841 O1 HOH W 56 ATOM 4842 O1 HOH W 57 ATOM 4842 O1 HOH W 57 ATOM 4843 O1 HOH W 58 ATOM 4844 O1 HOH W 58 ATOM 4844 O1 HOH W 59 ATOM 4845 O1 HOH W 60 ATOM 4845 O1 HOH W 60 ATOM 4846 O1 HOH W 61 ATOM 4846 O1 HOH W 61 ATOM 4847 O1 HOH W 62 ATOM 4845 O1 HOH W 61 ATOM 4846 O1 HOH W 62 ATOM 4847 O1 HOH W 63 ATOM 4848 O1 HOH W 63 ATOM 4849 O1 HOH W 64 ATOM 4848 O1 HOH W 65 ATOM 4850 O1 HOH W 65 ATOM 4850 O1 HOH W 65 ATOM 4851 O1 HOH W 65 ATOM 4851 O1 HOH W 66 ATOM 4852 O1 HOH W 67 ATOM 4853 O1 HOH W 67 ATOM 4853 O1 HOH W 68 ATOM 4853 O1 HOH W 68 ATOM 4854 O1 HOH W 67 ATOM 4855 O1 HOH W 70 ATOM 4855 O1 HOH W 70 ATOM 4856 O1 HOH W 71 ATOM 4856 O1 HOH W 72 ATOM 4856 O1 HOH W 73 ATOM 4856 O1 HOH W 73 ATOM 4856 O1 HOH W 74 ATOM 4856 O1 HOH W 73 ATOM 4856 O1 HOH W 74 ATOM 4856 O1 HOH W 75 ATOM 4856 O1 HOH W 75 ATOM 4856 O1 HOH W 76 ATOM 4857 O1 HOH W 77 ATOM 4856 O1 HOH W 78 ATOM 4856 O1 HOH W 78 ATOM 4856 O1 HOH W 79 ATOM 4857 O1 HOH W 79 ATOM 4858 O1 HOH W 79 ATOM 4850 O1 HOH W 79 ATOM 4860 O1 HOH W 81 ATOM 4860 O1 HOH W 82 ATOM 4860 O1 HOH W 83 ATOM 4860 O1 HOH W 84 ATOM 4860 O1 HOH W 85 ATOM 4860 O1 HOH W 86 ATOM 4860 O1 HOH W 87 ATOM 4860 O1 HOH W 87 ATOM 4860 O1 HOH W 89 ATOM 4870 O1 HOH W 99 ATOM 4880 O1 HOH W 99 ATOM 4880 O1 HOH W 99 ATOM 4880 O1 HOH W 99										
ATOM 4838 O1 HOH W 53	ATOM	4836	01	HOH W						
ATOM 4839 O1 HOH W 54 18.246 -7.424 47.752 1.00 27.9 ATOM 4840 O1 HOH W 55 17.680 -18.968 48.425 1.00 49.0 ATOM 4841 O1 HOH W 56 63.663 32.033 67.334 1.00 33.7 ATOM 4842 O1 HOH W 57 12.879 -8.580 21.032 1.00 20.0 30.7 ATOM 4843 O1 HOH W 59 5.457 2.609 21.937 1.00 30.7 ATOM 4844 O1 HOH W 69 5.457 2.609 21.937 1.00 30.7 ATOM 4845 O1 HOH W 60 41.656 34.732 60.883 1.00 26.6 ATOM 4846 O1 HOH W 61 10.826 -7.011 21.512 1.00 26.6 ATOM 4847 O1 HOH W 62 46.866 32.271 55.142 1.00 28.9 ATOM 4849 O1 HOH W 62 46.866 32.271 55.142 1.00 28.9 ATOM 4849 O1 HOH W 64 -1.807 -15.828 33.871 1.00 27.8 ATOM 4849 O1 HOH W 65 15.309 -8.364 24.800 1.00 25.0 ATOM 4850 O1 HOH W 66 10.589 -3.957 17.825 1.00 26.5 ATOM 4851 O1 HOH W 66 10.589 -3.957 17.825 1.00 26.5 ATOM 4852 O1 HOH W 67 53.967 24.496 54.681 1.00 44.0 ATOM 4855 O1 HOH W 67 53.967 24.496 54.681 1.00 24.8 ATOM 4855 O1 HOH W 67 53.967 24.496 54.681 1.00 28.8 ATOM 4855 O1 HOH W 70 59.900 18.836 77.896 1.00 28.3 ATOM 4855 O1 HOH W 70 59.900 18.836 77.896 1.00 26.3 ATOM 4855 O1 HOH W 71 45.172 16.962 74.854 1.00 26.3 ATOM 4855 O1 HOH W 72 -7.743 -7.173 31.484 1.00 26.0 ATOM 4850 O1 HOH W 73 62.769 33.034 57.586 1.00 26.4 ATOM 4860 O1 HOH W 75 23.222 -0.340 29.959 1.00 26.8 ATOM 4861 O1 HOH W 75 23.222 -0.340 29.959 1.00 26.8 ATOM 4861 O1 HOH W 75 23.222 -0.340 29.959 1.00 26.8 ATOM 4862 O1 HOH W 77 42.078 33.736 57.956 1.00 26.0 ATOM 4861 O1 HOH W 78 57.426 29.177 51.681 1.00 26.9 ATOM 4860 O1 HOH W 78 57.426 29.177 51.681 1.00 26.9 ATOM 4860 O1 HOH W 78 57.426 29.177 51.681 1.00 26.9 ATOM 4860 O1 HOH W 78 57.426 29.177 51.681 1.00 26.9 ATOM 4860 O1 HOH W 81 47.266 29.177 51.681 1.00 27.0 ATOM 4861 O1 HOH W 82 30.677 31.060 77.998 1.00 22.7 ATOM 4860 O1 HOH W 83 41.588 15.444 81.328 1.00 29.8 ATOM 4860 O1 HOH W 89 57.332 -10.734 36.523 1.00 25.5 ATOM 4870 O1 HOH W 80 57.532 -10.332 -10.333 1.00 25.5 ATOM 4870 O1 HOH W 80 57.532 -10.332 -10.333 1.00 25.5 ATOM 4870 O1 HOH W 80 57.532 -10.332 -10.033.7 ATOM 4870 O1 HOH W 90 57.533 -10.32 -10.033.7 ATOM 4870 O1 HOH W 91 12.753 0.559 4.	MOTA	4837	01							
ATOM 4840 01 HOH W 55 17.680 -18.968 48.425 1.00 49.0 ATOM 4841 01 HOH W 56 63.663 32.033 67.334 1.00 33.0 ATOM 4842 01 HOH W 57 12.879 -6.880 21.032 1.00 30.7 ATOM 4843 01 HOH W 58 43.952 35.751 61.678 1.00 24.1 ATOM 4844 01 HOH W 59 5.457 2.609 21.937 1.00 33.0 ATOM 4845 01 HOH W 60 41.656 34.732 60.883 1.00 26.6 ATOM 4846 01 HOH W 61 10.826 -7.011 21.512 1.00 26.2 ATOM 4847 01 HOH W 62 46.866 32.271 55.142 1.00 26.2 ATOM 4848 01 HOH W 63 -4.886 11.748 39.346 1.00 22.8 ATOM 4849 01 HOH W 64 -1.807 -15.828 33.871 1.00 27.3 ATOM 4850 01 HOH W 66 10.589 -3.957 17.825 1.00 26.5 ATOM 4851 01 HOH W 67 53.967 24.496 54.681 1.00 26.5 ATOM 4852 01 HOH W 67 53.967 24.496 54.681 1.00 28.8 ATOM 4854 01 HOH W 69 7.664 0.885 20.675 1.00 28.8 ATOM 4855 01 HOH W 70 59.900 18.836 77.896 1.00 28.0 ATOM 4855 01 HOH W 70 59.900 18.836 77.896 1.00 28.0 ATOM 4856 01 HOH W 71 45.172 16.962 74.854 1.00 28.3 ATOM 4858 01 HOH W 72 -7.743 -7.173 31.484 1.00 28.0 ATOM 4858 01 HOH W 72 -7.743 -7.173 31.484 1.00 28.3 ATOM 4856 01 HOH W 73 62.769 33.034 57.586 1.00 26.5 ATOM 4856 01 HOH W 73 62.769 33.034 57.586 1.00 26.4 ATOM 4859 01 HOH W 74 1.944 -14.302 44.406 1.00 26.8 ATOM 4860 01 HOH W 75 23.222 -0.340 29.959 1.00 22.1 ATOM 4861 01 HOH W 76 77 42.876 33.334 57.586 1.00 26.4 ATOM 4863 01 HOH W 77 42.078 33.736 57.956 1.00 26.9 ATOM 4864 01 HOH W 78 57.402 25.819 56.138 1.00 26.8 ATOM 4866 01 HOH W 78 57.402 25.819 56.138 1.00 26.8 ATOM 4866 01 HOH W 78 57.402 25.819 56.138 1.00 26.8 ATOM 4866 01 HOH W 81 47.286 29.177 51.681 1.00 27.7 ATOM 4870 01 HOH W 81 47.286 29.177 51.681 1.00 27.7 ATOM 4871 01 HOH W 82 30.677 31.060 77.998 1.00 27.7 ATOM 4871 01 HOH W 83 42.486 5.248 46.367 1.00 27.7 ATOM 4871 01 HOH W 84 62.266 24.240 57.795 1.00 27.9 ATOM 4872 01 HOH W 87 62.256 24.240 57.795 1.00 27.9 ATOM 4872 01 HOH W 87 62.266 24.240 57.795 1.00 27.7 ATOM 4873 01 HOH W 84 62.266 24.240 57.795 1.00 27.7 ATOM 4873 01 HOH W 87 62.266 24.240 57.795 1.00 27.7 ATOM 4873 01 HOH W 87 62.266 24.240 57.795 1.00 25.5 ATOM 4878 01 HOH W 97 51.540 25.	MOTA	4838	01	HOH W	53	9.328	8.423			
ATOM 4841 01 HOH W 56	ATOM	4839	01	HOH W	54			47.752		
ATOM 4842 01 HOH W 57	MOTA	4840	01	HOH W	55	17.680	-18.968	48.425		
ATOM 4842 01 HOH W 57 ATOM 4844 01 HOH W 59 ATOM 4844 01 HOH W 59 ATOM 4845 01 HOH W 60 ATOM 4846 01 HOH W 60 ATOM 4846 01 HOH W 61 ATOM 4846 01 HOH W 61 ATOM 4847 01 HOH W 62 ATOM 4848 01 HOH W 62 ATOM 4848 01 HOH W 62 ATOM 4848 01 HOH W 63 ATOM 4849 01 HOH W 63 ATOM 4850 01 HOH W 64 ATOM 4851 01 HOH W 65 ATOM 4851 01 HOH W 65 ATOM 4852 01 HOH W 66 ATOM 4853 01 HOH W 66 ATOM 4854 01 HOH W 67 ATOM 4855 01 HOH W 67 ATOM 4855 01 HOH W 69 ATOM 4856 01 HOH W 70 ATOM 4857 01 HOH W 70 ATOM 4857 01 HOH W 70 ATOM 4858 01 HOH W 72 ATOM 4859 01 HOH W 72 ATOM 4850 01 HOH W 72 ATOM 4850 01 HOH W 73 ATOM 4851 01 HOH W 74 ATOM 4856 01 HOH W 75 ATOM 4856 01 HOH W 72 ATOM 4856 01 HOH W 75 ATOM 4856 01 HOH W 75 ATOM 4857 01 HOH W 75 ATOM 4856 01 HOH W 75 ATOM 4856 01 HOH W 75 ATOM 4856 01 HOH W 76 ATOM 4857 01 HOH W 77 ATOM 4850 01 HOH W 78 ATOM 4850 01 HOH W 78 ATOM 4851 01 HOH W 79 ATOM 4850 01 HOH W 70 ATOM 4850 01 HOH W 71 ATOM 4851 01 HOH W 72 ATOM 4850 01 HOH W 73 ATOM 4850 01 HOH W 74 ATOM 4850 01 HOH W 75 ATOM 4851 01 HOH W 75 ATOM 4850 01 HOH W 75 ATOM 4860 01 HOH W 76 ATOM 4860 01 HOH W 77 ATOM 4860 01 HOH W 77 ATOM 4861 01 HOH W 78 ATOM 4860 01 HOH W 78 ATOM 4860 01 HOH W 78 ATOM 4860 01 HOH W 79 ATOM 4860 01 HOH W 80 ATOM 4870 01 HOH W 90	ATOM	4841	01	HOH W	56	63.663	32.033	67.334	1.00	33.07
ATOM 4844 01 HOH W 58		4842	01	HOH W	57	12.879	-8.580	21.032	1.00	30.73
ATOM 4844 01 HOH W 59 ATOM 4845 01 HOH W 60 ATOM 4845 01 HOH W 61 ATOM 4846 01 HOH W 61 ATOM 4847 01 HOH W 61 ATOM 4848 01 HOH W 61 ATOM 4848 01 HOH W 62 ATOM 4848 01 HOH W 63 ATOM 4848 01 HOH W 63 ATOM 4848 01 HOH W 63 ATOM 4850 01 HOH W 65 ATOM 4851 01 HOH W 66 ATOM 4851 01 HOH W 66 ATOM 4852 01 HOH W 67 ATOM 4853 01 HOH W 67 ATOM 4855 01 HOH W 69 ATOM 4855 01 HOH W 69 ATOM 4856 01 HOH W 70 ATOM 4856 01 HOH W 71 ATOM 4857 01 HOH W 71 ATOM 4859 01 HOH W 72 ATOM 4859 01 HOH W 72 ATOM 4859 01 HOH W 73 ATOM 4859 01 HOH W 74 ATOM 4859 01 HOH W 75 ATOM 4850 01 HOH W 76 ATOM 4850 01 HOH W 77 ATOM 4850 01 HOH W 78 ATOM 4850 01 HOH W 78 ATOM 4850 01 HOH W 78 ATOM 4850 01 HOH W 79 ATOM 4850 01 HOH W 70 ATOM 4850 01 HOH W 70 ATOM 4850 01 HOH W 71 ATOM 4850 01 HOH W 72 ATOM 4850 01 HOH W 73 ATOM 4850 01 HOH W 74 ATOM 4850 01 HOH W 75 ATOM 4850 01 HOH W 76 ATOM 4850 01 HOH W 77 ATOM 4850 01 HOH W 78 ATOM 4850 01 HOH W 78 ATOM 4850 01 HOH W 74 ATOM 4850 01 HOH W 75 ATOM 4860 01 HOH W 76 ATOM 4860 01 HOH W 77 ATOM 4860 01 HOH W 78 ATOM 4860 01 HOH W 80 ATOM 4860 01 HOH W 81 ATOM 4860 01 HOH W 82 ATOM 4860 01 HOH W 83 ATOM 4860 01 HOH W 84 ATOM 4860 01 HOH W 84 ATOM 4860 01 HOH W 85 ATOM 4860 01 HOH W 80 ATOM 4860 01 HOH W 80 ATOM 4860 01 HOH W 81 ATOM 4860 01 HOH W 82 ATOM 4860 01 HOH W 80 ATOM 4860 01 HOH W 90		4843			58	43.952	35.751	61.678	1.00	24.11
ATOM 4845 O1 HOH W 60							2.609	21.937	1.00	33.95
ATOM 4846 O1 HOH W 61 10.826 -7.011 21.512 1.00 26.2 ATOM 4847 O1 HOH W 62 46.866 32.271 55.142 1.00 28.9 ATOM 4848 O1 HOH W 63 -4.848 -11.748 93.346 1.00 22.8 ATOM 4849 O1 HOH W 64 -1.807 -15.828 33.871 1.00 27.3 ATOM 4850 O1 HOH W 65 15.309 -8.364 24.800 1.00 25.0 ATOM 4851 O1 HOH W 66 10.589 -3.957 17.825 1.00 26.5 ATOM 4852 O1 HOH W 67 53.967 24.496 54.681 1.00 44.0 ATOM 4853 O1 HOH W 69 7.664 0.885 20.675 1.00 28.8 ATOM 4855 O1 HOH W 70 59.900 18.836 77.896 1.00 28.3 ATOM 4855 O1 HOH W 71 45.172 16.962 74.854 1.00 28.3 ATOM 4855 O1 HOH W 71 45.172 16.962 74.854 1.00 28.3 ATOM 4859 O1 HOH W 72 -7.743 -7.173 31.484 1.00 26.4 ATOM 4859 O1 HOH W 73 62.769 33.034 57.586 1.00 26.8 ATOM 4859 O1 HOH W 74 1.944 -14.302 44.406 1.00 26.8 ATOM 4850 O1 HOH W 75 23.222 -0.340 29.959 1.00 22.1 ATOM 4860 O1 HOH W 77 42.078 33.736 57.586 1.00 26.8 ATOM 4863 O1 HOH W 77 42.078 33.736 57.586 1.00 26.8 ATOM 4863 O1 HOH W 78 76 -0.197 -0.646 21.222 1.00 27.0 ATOM 4860 O1 HOH W 78 79 55.439 12.986 71.228 1.00 22.0 ATOM 4860 O1 HOH W 78 79 55.439 12.986 71.228 1.00 22.0 ATOM 4860 O1 HOH W 79 55.439 12.986 71.228 1.00 23.0 ATOM 4860 O1 HOH W 80 34.396 8.529 61.576 1.00 32.6 ATOM 4860 O1 HOH W 80 34.396 8.529 61.576 1.00 32.6 ATOM 4860 O1 HOH W 80 34.396 8.529 61.576 1.00 32.6 ATOM 4860 O1 HOH W 80 34.396 8.529 61.576 1.00 32.6 ATOM 4860 O1 HOH W 80 34.396 8.529 61.576 1.00 32.6 ATOM 4860 O1 HOH W 80 34.396 8.529 61.576 1.00 32.5 ATOM 4870 O1 HOH W 80 34.588 15.444 81.328 1.00 32.6 ATOM 4870 O1 HOH W 80 34.588 15.444 81.328 1.00 32.6 ATOM 4870 O1 HOH W 80 34.588 15.444 81.328 1.00 32.6 ATOM 4870 O1 HOH W 80 34.588 15.444 81.328 1.00 32.6 ATOM 4870 O1 HOH W 80 34.588 15.444 81.328 1.00 32.5 ATOM 4870 O1 HOH W 80 34.588 15.444 81.328 1.00 32.5 ATOM 4870 O1 HOH W 80 34.588 15.444 81.328 1.00 32.5 ATOM 4870 O1 HOH W 90 36.598 10.00 32.7 ATOM 4870 O1 HOH W 90 36.598 10.00 32.7 ATOM 4870 O1 HOH W 90 36.598 10.00 32.7 ATOM 4870 O1 HOH W 90 36.598 10.00 32.7 ATOM 4870 O1 HOH W 90 36.598 10.00 32.7 ATOM 4880 O1 HOH W 90 36.598 10.00 32.7 A							34.732	60.883	1.00	26.67
ATOM 4847 01 HOH W 62 ATOM 4848 01 HOH W 62 ATOM 4848 01 HOH W 63 ATOM 4849 01 HOH W 63 ATOM 4850 01 HOH W 64 ATOM 4851 01 HOH W 65 ATOM 4852 01 HOH W 66 ATOM 4852 01 HOH W 67 ATOM 4853 01 HOH W 67 ATOM 4853 01 HOH W 68 ATOM 4855 01 HOH W 68 ATOM 4855 01 HOH W 68 ATOM 4855 01 HOH W 69 ATOM 4855 01 HOH W 70 ATOM 4855 01 HOH W 70 ATOM 4856 01 HOH W 71 ATOM 4856 01 HOH W 71 ATOM 4857 01 HOH W 72 ATOM 4858 01 HOH W 71 ATOM 4850 01 HOH W 72 ATOM 4850 01 HOH W 73 ATOM 4850 01 HOH W 74 ATOM 4850 01 HOH W 73 ATOM 4850 01 HOH W 74 ATOM 4850 01 HOH W 75 ATOM 4850 01 HOH W 76 ATOM 4850 01 HOH W 77 ATOM 4850 01 HOH W 78 ATOM 4850 01 HOH W 74 ATOM 4850 01 HOH W 74 ATOM 4850 01 HOH W 75 ATOM 4860 01 HOH W 76 ATOM 4860 01 HOH W 77 ATOM 4860 01 HOH W 78 ATOM 4860 01 HOH W 78 ATOM 4860 01 HOH W 79 ATOM 4860 01 HOH W 80 ATOM 4870 01 HOH W 90							-7.011	21.512	1.00	26.24
ATOM 4848 01 HOH W 63										
ATOM 4849 O1 HOH W 64										
ATOM 4850 01 HOH W 65 10.589 -3.364 24.800 1.00 25.0 ATOM 4851 01 HOH W 66 10.589 -3.957 17.825 1.00 26.5 ATOM 4852 01 HOH W 667 53.967 24.496 54.681 1.00 44.0 ATOM 4853 01 HOH W 68 24.990 -11.936 38.629 1.00 28.8 ATOM 4854 01 HOH W 69 7.664 0.885 20.675 1.00 28.8 ATOM 4855 01 HOH W 70 59.900 18.836 77.896 1.00 28.3 ATOM 4856 01 HOH W 71 45.172 16.962 74.854 1.00 28.3 ATOM 4857 01 HOH W 72 -7.743 -7.173 31.484 1.00 26.0 ATOM 4859 01 HOH W 73 62.769 33.034 57.586 1.00 26.4 ATOM 4860 01 HOH W 75 23.222 -0.340 29.959 1.00 22.1 ATOM 4861 01 HOH W 75 23.222 -0.340 29.959 1.00 22.1 ATOM 4862 01 HOH W 77 42.078 33.736 57.956 1.00 26.9 ATOM 4863 01 HOH W 78 57.402 25.819 56.138 1.00 32.6 ATOM 4865 01 HOH W 78 57.402 25.819 56.138 1.00 32.6 ATOM 4866 01 HOH W 79 55.439 12.986 71.228 1.00 29.8 ATOM 4866 01 HOH W 88 34.396 8.529 61.576 1.00 43.5 ATOM 4868 01 HOH W 88 34.396 8.529 61.576 1.00 32.8 ATOM 4868 01 HOH W 88 34.396 8.529 61.576 1.00 32.8 ATOM 4869 01 HOH W 88 34.588 15.444 81.328 1.00 41.2 ATOM 4869 01 HOH W 88 34.588 15.444 81.328 1.00 41.2 ATOM 4869 01 HOH W 88 34.588 15.444 81.328 1.00 41.2 ATOM 4869 01 HOH W 88 34.588 15.444 81.328 1.00 41.2 ATOM 4870 01 HOH W 88 34.588 15.444 81.328 1.00 41.2 ATOM 4870 01 HOH W 88 42 2.486 5.248 46.367 1.00 33.4 ATOM 4870 01 HOH W 88 62 27.619 8.328 44.050 1.00 31.7 ATOM 4871 01 HOH W 87 62.619 8.328 44.050 1.00 31.7 ATOM 4873 01 HOH W 87 62.619 8.328 44.050 1.00 31.7 ATOM 4873 01 HOH W 89 7.339 -1.362 55.174 1.00 27.7 ATOM 4873 01 HOH W 89 7.339 -1.362 55.174 1.00 27.9 ATOM 4879 01 HOH W 99 7.3541 -2.818 46.374 1.00 29.3 ATOM 4879 01 HOH W 99 7.3541 -2.818 46.374 1.00 29.3 ATOM 4879 01 HOH W 99 7.3541 -2.818 46.374 1.00 29.3 ATOM 4879 01 HOH W 99 7.3541 -2.818 46.374 1.00 29.3 ATOM 4879 01 HOH W 99 7.3541 -2.818 46.374 1.00 29.3 ATOM 4880 01 HOH W 99 7.5540 25.787 52.492 1.00 31.3 ATOM 4880 01 HOH W 99 7.5540 25.787 52.492 1.00 31.3 ATOM 4880 01 HOH W 99 7.5540 25.787 52.492 1.00 31.5 ATOM 4880 01 HOH W 99 7.5540 25.787 52.492 1.00 31.5 ATOM 4880 01 HOH W 99 7.5540 25.787									1.00	27.34
ATOM										
ATOM										
ATOM 4853 O1 HOH W 68 ATOM 4854 O1 HOH W 69 ATOM 4855 O1 HOH W 70 ATOM 4855 O1 HOH W 70 ATOM 4855 O1 HOH W 70 ATOM 4856 O1 HOH W 70 ATOM 4856 O1 HOH W 70 ATOM 4856 O1 HOH W 71 ATOM 4857 O1 HOH W 72 ATOM 4858 O1 HOH W 73 ATOM 4858 O1 HOH W 73 ATOM 4858 O1 HOH W 74 ATOM 4859 O1 HOH W 74 ATOM 4859 O1 HOH W 74 ATOM 4860 O1 HOH W 75 ATOM 4861 O1 HOH W 76 ATOM 4862 O1 HOH W 77 ATOM 4863 O1 HOH W 77 ATOM 4864 O1 HOH W 78 ATOM 4865 O1 HOH W 77 ATOM 4866 O1 HOH W 78 ATOM 4866 O1 HOH W 78 ATOM 4866 O1 HOH W 78 ATOM 4866 O1 HOH W 80 ATOM 4866 O1 HOH W 81 ATOM 4866 O1 HOH W 81 ATOM 4868 O1 HOH W 83 ATOM 4868 O1 HOH W 83 ATOM 4869 O1 HOH W 84 ATOM 4869 O1 HOH W 85 ATOM 4869 O1 HOH W 80 ATOM 4869 O1 HOH W 81 ATOM 4869 O1 HOH W 83 ATOM 4869 O1 HOH W 84 ATOM 4869 O1 HOH W 85 ATOM 4869 O1 HOH W 86 ATOM 4869 O1 HOH W 87 ATOM 4869 O1 HOH W 88 ATOM 4869 O1 HOH W 88 ATOM 4870 O1 HOH W 86 ATOM 4871 O1 HOH W 87 ATOM 4872 O1 HOH W 87 ATOM 4873 O1 HOH W 88 ATOM 4873 O1 HOH W 89 ATOM 4874 O1 HOH W 89 ATOM 4875 O1 HOH W 89 ATOM 4875 O1 HOH W 89 ATOM 4876 O1 HOH W 89 ATOM 4877 O1 HOH W 89 ATOM 4877 O1 HOH W 89 ATOM 4878 O1 HOH W 89 ATOM 4879 O1 HOH W 99 ATOM 4880 O1 HOH W 99 ATOM 4881 O1 HOH W 99 ATOM 4881 O1 HOH W 99 ATOM 4882 O1 HOH W 99 ATOM 4883 O1 HOH W 99 ATOM 4884 O1 HOH W 99 ATOM 4885 O1 HOH W 99 ATOM 4885 O1 HOH W 99 ATOM 4886 O1 HOH W 99 ATOM 4885 O1 HOH W 99 ATOM 4886 O1 HOH W 99										
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ATOM 4860 O1 HOH W 75										
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ATOM 4863 O1 HOH W 78 57.402 25.819 56.138 1.00 32.6 ATOM 4864 O1 HOH W 79 55.439 12.986 71.228 1.00 29.8 ATOM 4865 O1 HOH W 80 34.396 8.529 61.576 1.00 43.5 ATOM 4866 O1 HOH W 81 47.286 29.177 51.681 1.00 31.3 ATOM 4867 O1 HOH W 82 30.677 31.060 77.998 1.00 47.2 ATOM 4868 O1 HOH W 83 41.588 15.444 81.328 1.00 41.2 ATOM 4869 O1 HOH W 84 2.486 5.248 46.367 1.00 34.8 ATOM 4870 O1 HOH W 85 63.709 21.021 72.928 1.00 28.7 ATOM 4871 O1 HOH W 86 27.619 8.328 44.050 1.00 31.7 ATOM 4873 O1 HOH W 87 -5.332 -10.734 36.523 1.00 25.5 ATOM 4873 O1 HOH W 88 62.256 24.240 57.795 1.00 27.9 ATOM 4874 O1 HOH W 89 7.339 -1.362 55.174 1.00 27.7 ATOM 4875 O1 HOH W 89 7.339 -1.362 55.174 1.00 27.7 ATOM 4876 O1 HOH W 91 12.753 0.559 47.705 1.00 25.5 ATOM 4877 O1 HOH W 91 12.753 0.559 47.705 1.00 25.5 ATOM 4878 O1 HOH W 92 52.949 39.174 79.040 1.00 31.3 ATOM 4878 O1 HOH W 93 36.070 32.961 80.601 1.00 30.9 ATOM 4880 O1 HOH W 94 59.810 36.762 74.769 1.00 30.7 ATOM 4880 O1 HOH W 95 -12.875 5.864 27.849 1.00 26.5 ATOM 4881 O1 HOH W 96 53.121 29.855 85.728 1.00 31.5 ATOM 4882 O1 HOH W 97 51.540 25.787 52.492 1.00 31.5 ATOM 4883 O1 HOH W 99 -1.532 -18.000 43.060 1.00 30.9 ATOM 4884 O1 HOH W 99 -1.532 -18.000 43.060 1.00 30.9 ATOM 4884 O1 HOH W 99 -1.532 -18.000 43.060 1.00 30.9 ATOM 4884 O1 HOH W 99 -1.532 -18.000 43.060 1.00 30.9 ATOM 4885 O1 HOH W 99 -1.532 -18.000 43.060 1.00 30.9 ATOM 4885 O1 HOH W 100 42.535 36.857 53.627 1.00 32.8										
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ATOM 480/ OI HON W IUZ 23.031 -1.4/0 23.033 1.00 30.0										
	ATOM	4887	ΟŢ	HOH W	TUZ	25.651	-1.410	۷).۵3	1.00	50.04

ATOM	4888	01	HOH W	103	0.077	-10.003	25.584	1.00 32.46
ATOM	4889	01	HOH W		6.037	-0.243	18.292	1.00 42.47
MOTA	4890	01	HOH W	105	-5.627	-8.277	21.845	1.00 34.15
MOTA	4891	01	HOH W		4.857	13.360	30.883	1.00 31.69
ATOM	4892	01	HOH W	107	5.308	15.537	21.988	1.00 25.42
ATOM	4893	01	HOH W	108	6.752	-6.565	51.673	1.00 33.36
MOTA	4894	01	HOH W	109	58.057	40.591	69.174	1.00 29.89
ATOM	4895	01	HOH W	110	58.754	7.470	62.072	1.00 35.42
ATOM	4896	01	HOH W	111	3.972	1.588	20.509	1.00 37.26
ATOM	4897	01	HOH W	112	53.197	17.249	55.411	1.00 35.13
ATOM	4898	01	HOH W	113	36.243	21.471	51.543	1.00 48.69
ATOM	4899	01	HOH W	114	-0.096	-4.011	20.309	1.00 39.42
MOTA	4900	01	HOH W	115	49.696	32.306	84.528	1.00 35.44
MOTA	4901	01	HOH W	116	16.010	-16.452	31.337	1.00 44.52
ATOM	4902	01	HOH W	117	54.391	30.745	82.842	1.00 30.52
MOTA	4903	01	HOH W	118	69.018	18.815	64.039	1.00 33.34
ATOM	4904	01	HOH W	119	39.522	30.110	57.759	1.00 23.80
ATOM	4905	01	HOH W	120	-10.594	2.764	34.249	1.00 29.91
MOTA	4906	01	HOH W	121	3.787	-7.512	50.278	1.00 24.62
ATOM	4907	01	HOH W	122	53.957	23.288	80.378	1.00 30.02
MOTA	4908	01	HOH W	123	18.987	-16.652	40.990	1.00 30.01
ATOM	4909	01	HOH W	124	3.080	7.934	45.807	1.00 36.85
MOTA	4910	01	HOH W	125	55.436	7.031	65.054	1.00 41.50
MOTA	4911	01	HOH W	126	12.352	9.382	48.476	1.00 33.99
MOTA	4912	01	HOH W	127	14.471	6.265	26.018	1.00 42.81
MOTA	4913	01	HOH W	128	43.330	38.653	51.761	1.00 46.93
ATOM	4914	01	HOH W	129	-5.913	-20.550	38.143	1.00 33.89
ATOM	4915	01	HOH W	130	20.250	3.300	47.738	1.00 34.00
ATOM	4916	01	HOH W	131	7.970	-2.668	16.219	1.00 35.55
ATOM	4917	01	HOH W	132	61.696	45.509	74.227	1.00 35.13
ATOM	4918	01	HOH W	133	53.846	13.143	73.631	1.00 39.37
ATOM	4919	01	HOH W	134	29.945	17.996	36.926	1.00 46.09
ATOM	4920	01		135	58.559	11.600	62.402	1.00 26.91
MOTA	4921	01	HOH W	136	-7.418	-5.438	40.009	1.00 30.49
ATOM	4922	01	HOH W	137	40.559	41.165	64.176	1.00 45.19
MOTA	4923	01		138	49.766	27.636	50.150	1.00 29.35
MOTA	4924	01		139	65.075	22.379	57.198	1.00 35.09
ATOM	4925	01	HOH W	140	-8.508	3.715	36.930	1.00 34.08
MOTA	4926	01	HOH W	141	58.237	33.281	56.920	1.00 33.91
ATOM	4927	01	HOH W		59.723	42.167	67.906	1.00 31.58
ATOM	4928	01		143	62.056	30.740	54.701	1.00 46.78
ATOM	4929	01	HOH W		1.919	3.683	26.777	1.00 58.65
MOTA	4930	01		145	0.229	8.607	19.127	1.00 28.35
ATOM	4931	01	HOH W		12.101	11.343	20.627	1.00 49.67
ATOM	4932	01	HOH W		23.889	-5.655	45.864	1.00 40.68
ATOM	4933	01	HOH W		41.109	26.972	47.802	1.00 38.59
MOTA	4934	01	HOH W		61.067	15.824	56.464	1.00 36.37
MOTA	4935	01	HOH W		53.684	36.619	56.025	1.00 38.94
MOTA	4936	01	HOH W		9.718	4.642	49.998	1.00 29.80
ATOM	4937	01	HOH W		15.016		20.564	1.00 35.94
ATOM	4938	01	HOH W		-8.503	6.204	36.690	1.00 33.15
ATOM	4939	01	HOH W	154	52.945	32.067	87.165	1.00 38.96

MOTA	4940	01	HOH W		-3.303	-17.298	32.155	1.00 30.64
ATOM	4941	01	HOH W		43.328	22.392	52.292	1.00 47.87
ATOM	4942	01	HOH W		28.970	3.140	30.250	1.00 36.23
MOTA	4943	01	HOH W		26.533	-4.056	30.628	1.00 35.32
MOTA	4944	01	HOH W		3.437	3.324	18.731	1.00 37.41
MOTA	4945	01	HOH W	160	12.257	5.668	24.272	1.00 33.12
MOTA	4946	01	HOH W	161	28.150	0.298	30.479	1.00 34.00
MOTA	4947	01	HOH W	162	-17.348	-19.031	28.122	1.00 36.82
MOTA	4948	01	HOH W	163	-0.825	-8.283	21.905	1.00 38.81
MOTA	4949	01	HOH W	164	33.831	22.123	80.266	1.00 41.38
MOTA	4950	01	HOH W	165	49.420	49.137	70.663	1.00 48.62
ATOM	4951	01	HOH W	166	50.346	11.884	65.231	1.00 44.32
MOTA	4952	01	HOH W	167	6.773	13.068	43.904	1.00 50.36
MOTA	4953	01	HOH W	168	56.962	16.533	53.665	1.00 38.99
MOTA	4954	01	HOH W	169	19.408	8.728	24.340	1.00 35.51
ATOM	4955	01	HOH W	170	-5.185	6.989	42.383	1.00 48.15
ATOM	4956	01	HOH W	171	33.871	8.380	22.002	1.00 42.56
MOTA	4957	01	HOH W		32.356	27.890	84.104	1.00 38.54
MOTA	4958	01	HOH W		-1.961	0.606	20.306	1.00 37.03
ATOM	4959	01	HOH W	174	62.208	29.832	76.581	1.00 55.22
MOTA	4960	01	HOH W		33.040	26.033	62.143	1.00 33.40
ATOM	4961	01	HOH W			-14.378	31.456	1.00 33.99
ATOM	4962	01	HOH W	177	37.206	7.422	74.312	1.00 38.76
ATOM	4963	01	HOH W		29.817	29.620	62.244	1.00 43.78
ATOM	4964	01	HOH W		2.238	-5.806	48.797	1.00 24.11
ATOM	4965	01	HOH W		50.166	25.503	48.673	1.00 31.60
ATOM	4966	01	HOH W		58.506	42.575	64.866	1.00 35.82
ATOM	4967	01	HOH W	182	66.265	21.921	70.420	1.00 39.64
ATOM	4968	01	HOH W	183	0.671	-9.941	18.215	1.00 52.37
ATOM	4969	01	HOH W	184	5.293	12.702	45.868	1.00 64.96
ATOM	4970	01	HOH W	185	26.178	16.910	42.036	1.00 39.26
ATOM	4971	01	HOH W	186	1.316	-1.635	54.945	1.00 32.69
ATOM	4972	01	HOH W	187	15.079	11.723	21.275	1.00 48.90
ATOM	4973	01	HOH W	188	58.780	8.778	52.598	1.00 55.31
ATOM	4974	01	HOH W	189	-1.566	-17.744	29.231	1.00 40.69
ATOM	4975	01	HOH W	190		-20.552	29.054	1.00 36.00
ATOM	4976	01	HOH W	191	40.753	36.433	75.429	1.00 40.90
ATOM	4977	01	HOH W	192	43.705	20.194	83.394	1.00 38.59
ATOM	4978	01		193	13.952	8.216	50.830	1.00 55.41
ATOM	4979	01		194	17.477	-1.718	14.946	1.00 30.24
ATOM	4980	01		195	32.069	3.048	36.009	1.00 37.45
ATOM	4981	01	HOH W		49.867	21.149	90.949	1.00 40.22
ATOM	4982	01	HOH W		31.011	39.913	82.015	1.00 44.40
ATOM	4983	01	HOH W		3.768	7.854	20.763	1.00 37.31
ATOM	4984	01	HOH W		36.080	45.674	78.448	1.00 57.31
ATOM	4985	01	HOH W			8.733	35.756	1.00 31.40
ATOM	4986	01	HOH W		41.126 -3.605	9.194	21.065	1.00 43.43
	4987		HOH W					1.00 42.28
ATOM		01	HOH W		45.411 22.572	20.667 -2.433	52.071	1.00 47.75
ATOM	4988	01	HOH W				51.460	
ATOM	4989	01			-2.340	18.437	23.217	
ATOM	4990	01	HOH W		4.213	5.779	19.058	1.00 42.01
MOTA	4991	01	HOH W	206	-0.746	1.998	51.309	1.00 32.75

ATOM 4992 O1 HOH W 207 28.139 33.211 71.066 1.00 52.64 ATOM 4993 O1 HOH W 209 36.066 48.240 71.868 1.00 47.65 ATOM 4995 O1 HOH W 210 27.068 31.927 66.243 1.00 45.28 ATOM 4996 O1 HOH W 211 6.224 6.872 49.187 1.00 28.18 ATOM 4997 O1 HOH W 212 -4.674 3.941 19.505 1.00 49.63 ATOM 4998 O1 HOH W 213 36.180 26.038 50.897 1.00 49.63 ATOM 4999 O1 HOH W 214 43.768 26.501 91.776 1.00 47.54 ATOM 5000 O1 HOH W 215 23.227 -12.725 42.616 1.00 47.18 ATOM 5001 O1 HOH W 216 -5.818 -21.605 40.616 1.00 37.65 ATOM 5002 O1 HOH W 217 31.418 -0.721 30.887 1.00 50.68 ATOM 5003 O1 HOH W 218 30.636 27.485 62.006 1.00 46.74 ATOM 5003 O1 HOH W 219 26.116 18.310 75.358 1.00 48.83 ATOM 5005 O1 HOH W 220 1.345 -9.074 48.599 1.00 38.50 ATOM 5006 O1 HOH W 221 26.116 18.310 75.358 1.00 48.83 ATOM 5005 O1 HOH W 222 0.416 -1.086 17.311 1.00 48.92 ATOM 5006 O1 HOH W 223 51.386 9.817 55.916 1.00 43.89 ATOM 5008 O1 HOH W 223 51.386 9.817 55.916 1.00 43.89 ATOM 5010 O1 HOH W 224 47.376 31.902 85.186 1.00 43.89 ATOM 5010 O1 HOH W 225 54.434 21.262 61.419 1.00 42.93 ATOM 5010 O1 HOH W 224 47.376 31.902 85.186 1.00 43.80 ATOM 5010 O1 HOH W 225 51.437 39.677 49.224 1.00 33.72 ATOM 5010 O1 HOH W 226 53.818 34.420 83.299 1.00 40.34 ATOM 5010 O1 HOH W 227 11.775 4.191 51.814 1.00 46.13 ATOM 5010 O1 HOH W 228 36.320 19.863 21.440 1.00 41.37 ATOM 5010 O1 HOH W 228 36.320 19.863 21.440 1.00 41.37 ATOM 5010 O1 HOH W 230 1.272 11.705 38.927 1.00 32.13 ATOM 5010 O1 HOH W 231 -7.721 2.573 21.097 1.00 33.10 ATOM 5010 O1 HOH W 231 -7.721 2.573 21.097 1.00 37.02 ATOM 5020 O1 HOH W 233 51.980 31.548 55.051 1.00 37.07 ATOM 5010 O1 HOH W 231 51.990 32.548 55.051 1.00 37.07 ATOM 5020 O1 HOH W 231 51.990 32.548 55.051 1.00 37.07 ATOM 5020 O1 HOH W 237 53.838 71.4394 62.179 1.00 37.07 ATOM 5020 O1 HOH W 237 53.838 71.939 55.220 1.00 37.07 ATOM 5020 O1 HOH W 237 58.877 1.272 12.573 21.272 1.00 32.13 ATOM 5020 O1 HOH W 238 57.744 28.339 55.220 1.00 37.07 ATOM 5020 O1 HOH W 231 57.744 28.339 55.220 1.00 37.07 ATOM 5020 O1 HOH W 231 57.744 28.339 55.220 1.00 37.07 ATOM 5020 O1	ATOM 4994 O1 HOH W 208									
ATOM 4994 01 HOH W 209 36.066 48.240 71.868 1.00 37.65 ATOM 4995 01 HOH W 210 27.068 31.927 666.243 1.00 45.28 ATOM 4996 01 HOH W 211 6.224 6.872 49.187 1.00 28.18 ATOM 4997 01 HOH W 211 6.224 6.872 49.187 1.00 28.18 ATOM 4998 01 HOH W 212 -4.674 3.941 19.505 1.00 49.63 ATOM 4999 01 HOH W 213 36.180 26.038 50.897 1.00 39.62 ATOM 4999 01 HOH W 214 43.768 26.501 91.776 1.00 47.54 ATOM 5000 01 HOH W 215 23.227 -12.725 42.616 1.00 47.54 ATOM 5000 01 HOH W 216 -5.818 -21.605 40.616 1.00 37.65 ATOM 5002 01 HOH W 217 31.418 -0.721 30.887 1.00 50.68 ATOM 5003 01 HOH W 218 30.636 27.485 62.006 1.00 46.74 ATOM 5003 01 HOH W 219 26.116 18.310 75.358 1.00 48.38 ATOM 5005 01 HOH W 221 261.61 18.310 75.358 1.00 48.38 ATOM 5005 01 HOH W 221 0.4166 -1.086 17.311 1.00 48.92 ATOM 5006 01 HOH W 222 1.345 -9.074 48.599 1.00 38.50 ATOM 5008 01 HOH W 223 51.386 9.817 55.916 1.00 33.89 ATOM 5008 01 HOH W 223 51.386 9.817 55.916 1.00 43.89 ATOM 5010 01 HOH W 224 47.376 31.902 85.916 1.00 43.89 ATOM 5010 01 HOH W 224 47.376 31.902 85.186 1.00 47.34 ATOM 5010 01 HOH W 225 14.573 9.677 49.224 1.00 33.72 ATOM 5010 01 HOH W 226 53.818 34.420 83.299 1.00 40.34 ATOM 5010 01 HOH W 227 11.775 4.191 51.814 1.00 46.34 ATOM 5013 01 HOH W 228 36.320 19.863 21.440 1.00 47.37 ATOM 5013 01 HOH W 228 36.320 19.863 21.440 1.00 41.37 ATOM 5016 01 HOH W 230 1.272 11.705 38.927 1.00 32.13 ATOM 5015 01 HOH W 231 -7.721 2.573 21.097 1.00 32.13 ATOM 5016 01 HOH W 233 51.950 32.548 55.051 1.00 37.07 ATOM 5010 01 HOH W 233 51.950 32.548 55.051 1.00 37.07 ATOM 5010 01 HOH W 233 51.950 32.548 55.051 1.00 37.07 ATOM 5010 01 HOH W 231 53.893 51.990 32.548 55.051 1.00 37.07 ATOM 5010 01 HOH W 231 53.893 51.990 32.548 55.051 1.00 37.07 ATOM 5010 01 HOH W 233 51.950 32.548 55.051 1.00 37.07 ATOM 5020 01 HOH W 233 51.950 32.548 55.051 1.00 37.07 ATOM 5020 01 HOH W 234 53.893 51.990 32.548 55.051 1.00 37.07 ATOM 5020 01 HOH W 235 53.893 51.990 32.548 55.051 1.00 37.07 ATOM 5020 01 HOH W 235 53.874 44.993 55.220 1.00 37.07 ATOM 5020 01 HOH W 235 53.874 44.993 55.220 1.0	ATOM 4994 01 HOH W 209 36.066 48.240 71.868 1.00 37.65 ATOM 4995 01 HOH W 210 27.068 31.927 66.243 1.00 45.28 ATOM 4996 01 HOH W 211 6.224 6.872 49.187 1.00 28.18 ATOM 4997 01 HOH W 212 -4.674 3.941 19.505 1.00 49.63 ATOM 4998 01 HOH W 213 36.180 26.038 50.897 1.00 39.62 ATOM 5000 01 HOH W 214 43.768 26.501 91.776 1.00 47.54 ATOM 5000 01 HOH W 215 23.227 -12.725 42.616 1.00 47.54 ATOM 5000 01 HOH W 216 -5.818 -21.605 40.616 1.00 47.54 ATOM 5000 01 HOH W 217 31.418 -0.721 30.887 1.00 50.68 ATOM 5003 01 HOH W 218 30.636 71.485 62.006 1.00 46.74 ATOM 5003 01 HOH W 219 26.116 18.310 75.358 1.00 48.83 ATOM 5005 01 HOH W 221 0.416 -1.086 17.311 1.00 48.92 ATOM 5005 01 HOH W 221 0.416 -1.086 17.311 1.00 48.92 ATOM 5006 01 HOH W 222 54.434 21.262 61.419 1.00 38.50 ATOM 5007 01 HOH W 223 51.386 9.817 55.916 1.00 33.89 ATOM 5008 01 HOH W 223 47.376 31.902 85.186 1.00 48.34 ATOM 5010 01 HOH W 224 47.376 31.902 85.186 1.00 48.37 ATOM 5010 01 HOH W 225 14.573 9.677 49.224 1.00 33.72 ATOM 5010 01 HOH W 226 33.818 34.420 83.299 1.00 40.34 ATOM 5010 01 HOH W 227 11.775 4.191 51.814 1.00 46.94 ATOM 5013 01 HOH W 228 36.320 19.863 21.440 1.00 47.37 ATOM 5016 01 HOH W 229 15.790 10.248 47.362 1.00 37.82 ATOM 5016 01 HOH W 230 1.272 11.705 38.927 1.00 32.13 ATOM 5016 01 HOH W 231 -7.721 2.573 21.097 1.00 32.13 ATOM 5016 01 HOH W 233 51.950 32.548 55.051 1.00 33.33 ATOM 5016 01 HOH W 233 51.950 32.548 55.051 1.00 33.33 ATOM 5010 01 HOH W 233 51.950 32.548 55.051 1.00 37.07 ATOM 5010 01 HOH W 234 58.877 41.394 62.199 1.00 37.07 ATOM 5020 01 HOH W 235 54.899 1.00 39.10 ATOM 5020 01 HOH W 236 57.744 28.339 55.220 1.00 37.07 ATOM 5020 01 HOH W 237 58.877 44.299 58.612 1.00 47.21 ATOM 5010 01 HOH W 238 57.744 28.339 55.220 1.00 37.07 ATOM 5020 01 HOH W 237 60.623 35.681 72.217 1.00 39.00 ATOM 5020 01 HOH W 237 60.623 35.681 72.217 1.00 39.00 ATOM 5020 01 HOH W 237 60.623 35.681 72.217 1.00 45.75 ATOM 5020 01 HOH W 244 64.599 4.79 4.79 55.64 1.00 44.79 ATOM 5030 01 HOH W 245 6.203 35.691 1.00 44.70 ATOM 5030 01 HOH W 247 62.624 1.19 9.89	MOTA	4992	01	HOH W	207	28.139			
ATOM 4995 OI HOH W 210 27.068 31.927 66.243 1.00 45.28 ATOM 4996 OI HOH W 211 6.224 6.872 49.187 1.00 28.10 ATOM 4997 OI HOH W 212 -4.674 3.941 19.505 1.00 49.63 ATOM 4998 OI HOH W 213 36.180 26.038 50.897 1.00 39.62 ATOM 4999 OI HOH W 214 43.768 26.501 91.776 1.00 47.18 ATOM 5000 OI HOH W 215 23.227 -12.725 42.616 1.00 47.18 ATOM 5001 OI HOH W 216 -5.818 -21.605 40.616 1.00 37.05 ATOM 5002 OI HOH W 218 30.636 27.485 62.006 1.00 46.74 ATOM 5003 OI HOH W 218 30.636 27.485 62.006 1.00 46.74 ATOM 5003 OI HOH W 219 26.116 18.310 75.358 1.00 48.38 ATOM 5005 OI HOH W 221 0.416 -1.086 17.311 1.00 48.92 ATOM 5007 OI HOH W 221 0.416 -1.086 17.311 1.00 48.92 ATOM 5008 OI HOH W 223 51.386 9.817 55.916 1.00 33.85 ATOM 5008 OI HOH W 223 51.386 9.817 55.916 1.00 33.88 ATOM 5010 OI HOH W 223 51.386 9.817 55.916 1.00 33.88 ATOM 5010 OI HOH W 223 51.386 9.817 55.916 1.00 33.88 ATOM 5010 OI HOH W 223 51.386 9.817 55.916 1.00 33.89 ATOM 5010 OI HOH W 223 51.386 9.817 55.916 1.00 33.89 ATOM 5010 OI HOH W 225 54.434 21.262 61.419 1.00 42.93 ATOM 5010 OI HOH W 225 54.434 21.262 61.419 1.00 40.34 ATOM 5011 OI HOH W 226 53.818 34.420 83.299 1.00 40.34 ATOM 5011 OI HOH W 226 53.818 34.420 83.299 1.00 40.34 ATOM 5013 OI HOH W 227 11.775 4.191 51.814 1.00 46.81 ATOM 5013 OI HOH W 229 15.790 10.248 47.362 1.00 37.82 ATOM 5010 OI HOH W 223 51.386 9.817 55.916 1.00 33.80 ATOM 5015 OI HOH W 231 -7.721 2.573 21.097 1.00 38.10 ATOM 5010 OI HOH W 233 51.950 32.548 55.051 1.00 30.33 ATOM 5010 OI HOH W 233 51.950 32.548 55.051 1.00 40.34 ATOM 5017 OI HOH W 231 -7.721 2.573 21.097 1.00 38.10 ATOM 5010 OI HOH W 233 51.950 32.548 55.051 1.00 30.33 ATOM 5010 OI HOH W 233 51.950 32.548 55.051 1.00 30.33 ATOM 5020 OI HOH W 233 51.950 32.548 55.051 1.00 30.33 ATOM 5020 OI HOH W 233 51.950 32.548 55.051 1.00 30.33 ATOM 5020 OI HOH W 233 51.950 32.548 55.051 1.00 30.33 ATOM 5020 OI HOH W 234 58.877 41.399 58.612 1.00 44.27 ATOM 5022 OI HOH W 244 53.127 41.999 58.612 1.00 44.27 ATOM 5025 OI HOH W 244 53.454 51.99 43.34 53.999 1.00 55.66 ATOM 5030 OI HOH W	ATOM 4995 OI HOH W 210 27.068 31.927 66.243 1.00 45.28 ATOM 4996 OI HOH W 211 6.224 6.872 49.187 1.00 28.10 ATOM 4997 OI HOH W 212 -4.674 3.941 19.505 1.00 49.63 ATOM 4998 OI HOH W 213 36.180 26.038 50.897 1.00 39.62 ATOM 4999 OI HOH W 214 43.768 26.501 91.776 1.00 47.18 ATOM 5001 OI HOH W 215 23.227 -12.725 42.616 1.00 47.18 ATOM 5001 OI HOH W 216 -5.818 -21.605 40.616 1.00 37.05 ATOM 5002 OI HOH W 217 31.418 -0.721 30.887 1.00 50.68 ATOM 5003 OI HOH W 218 30.636 27.485 62.006 1.00 46.74 ATOM 5003 OI HOH W 219 30.636 27.485 62.006 1.00 46.74 ATOM 5004 OI HOH W 221 0.416 -1.086 17.311 1.00 48.93 ATOM 5005 OI HOH W 221 0.416 -1.086 17.311 1.00 48.93 ATOM 5006 OI HOH W 222 1.345 -9.074 48.599 1.00 38.50 ATOM 5007 OI HOH W 223 51.386 9.817 55.916 1.00 33.89 ATOM 5008 OI HOH W 223 51.386 9.817 55.916 1.00 33.89 ATOM 5000 OI HOH W 224 47.376 31.902 85.186 1.00 47.01 ATOM 5010 OI HOH W 225 14.573 9.677 49.224 1.00 33.782 ATOM 5010 OI HOH W 226 53.818 34.420 83.229 1.00 40.34 ATOM 5010 OI HOH W 227 11.775 4.191 51.814 1.00 46.81 ATOM 5013 OI HOH W 229 15.790 10.248 47.362 1.00 33.82 ATOM 5010 OI HOH W 229 15.790 10.248 47.362 1.00 33.782 ATOM 5010 OI HOH W 223 51.386 9.817 55.910 1.00 33.81 ATOM 5010 OI HOH W 227 11.775 4.191 51.814 1.00 46.81 ATOM 5010 OI HOH W 227 12.772 12.573 21.007 32.13 ATOM 5010 OI HOH W 228 36.380 19.863 21.440 1.00 41.37 ATOM 5011 OI HOH W 228 36.380 19.863 21.440 1.00 41.37 ATOM 5010 OI HOH W 231 -7.721 2.573 21.007 1.00 38.10 ATOM 5010 OI HOH W 231 -7.721 2.573 21.007 1.00 38.10 ATOM 5010 OI HOH W 233 51.950 32.548 55.051 1.00 30.33 ATOM 5010 OI HOH W 234 58.877 41.394 62.179 1.00 33.19 ATOM 5010 OI HOH W 234 58.877 41.394 62.179 1.00 33.69 ATOM 5020 OI HOH W 233 51.950 32.548 55.051 1.00 30.33 ATOM 5020 OI HOH W 234 58.877 41.999 55.260 1.00 37.07 ATOM 5020 OI HOH W 234 58.877 41.999 55.260 1.00 37.07 ATOM 5020 OI HOH W 235 59.902 12.614 50.910 1.00 44.27 ATOM 5030 OI HOH W 244 53.104 1.447 37.468 6.001 1.00 44.27 ATOM 5030 OI HOH W 244 53.104 1.447 37.468 6.001 1.00 44.27 ATOM 5030 OI HOH	MOTA	4993	01	HOH W	208	45.744	7.612	66.653	
ATOM 4995 O1 HOR W 210 27.068 31.927 66.243 1.00 45.28 ATOM 4996 O1 HOR W 211 6.224 6.872 49.187 1.00 28.10 ATOM 4997 O1 HOR W 212 -4.674 3.941 19.505 1.00 49.63 ATOM 4998 O1 HOR W 213 36.180 26.038 50.897 1.00 39.62 ATOM 4999 O1 HOR W 215 23.227 -12.725 42.616 1.00 47.54 ATOM 5000 O1 HOR W 215 23.227 -12.725 42.616 1.00 47.54 ATOM 5000 O1 HOR W 216 -5.818 -21.605 40.616 1.00 37.05 ATOM 5002 O1 HOR W 218 30.636 27.485 62.006 1.00 46.74 ATOM 5003 O1 HOR W 218 30.636 27.485 62.006 1.00 46.74 ATOM 5005 O1 HOR W 219 26.116 18.310 75.358 1.00 48.38 ATOM 5005 O1 HOR W 221 0.416 -1.086 17.311 1.00 48.92 ATOM 5007 O1 HOR W 221 0.416 -1.086 17.311 1.00 48.92 ATOM 5007 O1 HOR W 222 54.434 21.262 61.419 1.00 42.93 ATOM 5008 O1 HOR W 223 51.386 9.817 55.916 1.00 33.85 ATOM 5009 O1 HOR W 223 51.386 9.817 55.916 1.00 33.89 ATOM 5001 O1 HOR W 224 47.376 31.902 85.186 1.00 47.34 ATOM 5010 O1 HOR W 225 14.573 9.677 49.224 1.00 33.87 ATOM 5010 O1 HOR W 226 53.818 34.420 83.299 1.00 40.34 ATOM 5012 O1 HOR W 227 11.775 4.191 51.814 1.00 46.81 ATOM 5012 O1 HOR W 228 36.380 19.863 21.404 1.00 46.31 ATOM 5015 O1 HOR W 229 15.790 10.248 47.362 1.00 37.02 ATOM 5016 O1 HOR W 229 15.790 10.248 47.362 1.00 37.02 ATOM 5016 O1 HOR W 230 1.272 11.705 38.927 1.00 32.13 ATOM 5016 O1 HOR W 233 51.595 32.548 55.051 1.00 33.10 ATOM 5016 O1 HOR W 233 51.595 32.548 55.051 1.00 33.10 ATOM 5016 O1 HOR W 233 51.595 32.548 55.051 1.00 30.33 ATOM 5016 O1 HOR W 233 51.595 32.548 55.051 1.00 30.33 ATOM 5010 O1 HOR W 233 51.595 32.548 55.051 1.00 30.31 ATOM 5020 O1 HOR W 233 51.595 32.548 55.051 1.00 30.31 ATOM 5020 O1 HOR W 233 51.595 32.548 55.051 1.00 30.31 ATOM 5020 O1 HOR W 233 51.595 32.548 55.051 1.00 30.31 ATOM 5020 O1 HOR W 234 58.877 41.299 58.66 601 1.00 47.21 ATOM 5022 O1 HOR W 234 58.877 41.299 58.66 601 1.00 47.21 ATOM 5022 O1 HOR W 234 58.877 41.299 58.66 601 1.00 47.21 ATOM 5022 O1 HOR W 243 58.505 51 1.00 30.36 60 50.30 O1 HOR W 244 53.505 51 HOR W 244 53.505 51 HOR W 245 53.24 51.995 52.20 1.00 37.07 51 ATOM 5030 O1 HOR W 245 52.24 61.60	ATOM 4995 OI HOH W 210	MOTA	4994	01	HOH W	209	36.066	48.240	71.868	1.00 37.65
ATOM 4996 O1 HOH W 211	ATOM 4996 O1 HOR W 211			01	HOH W	210	27.068	31.927	66.243	1.00 45.28
ATOM 4997 OI HOH W 212	ATOM 4997 O1 HOH W 212							6.872	49.187	1.00 28.10
ATOM 4998 O1 HOH W 213	ATOM 4998 O1 HOH W 213									1.00 49.63
ATOM 4999 O1 HOH W 214	ATOM 4999 01 HOH W 214 43.768 26.501 91.776 1.00 47.54 ATOM 5000 01 HOH W 215 23.227 -12.725 42.616 1.00 47.18 ATOM 5000 01 HOH W 216 -5.818 -21.605 40.616 1.00 37.05 ATOM 5002 01 HOH W 217 31.418 -0.721 30.887 1.00 50.68 ATOM 5003 01 HOH W 219 26.116 18.310 75.558 1.00 48.38 ATOM 5005 01 HOH W 220 1.345 -9.074 48.599 1.00 48.38 ATOM 5006 01 HOH W 221 0.416 -1.086 17.311 1.00 48.92 ATOM 5006 01 HOH W 221 54.434 21.262 61.419 1.00 42.93 ATOM 5007 01 HOH W 222 54.434 21.262 61.419 1.00 42.93 ATOM 5008 01 HOH W 225 14.573 9.677 49.224 1.00 33.72 ATOM 5001 01 HOH W 225 14.573 9.677 49.224 1.00 33.72 ATOM 5010 01 HOH W 227 11.775 4.191 51.814 1.00 46.81 ATOM 5011 01 HOH W 228 36.320 19.863 21.440 1.00 41.37 ATOM 5012 01 HOH W 229 15.790 10.248 47.362 11.400 41.37 ATOM 5016 01 HOH W 230 1.272 11.705 38.927 1.00 38.10 ATOM 5016 01 HOH W 230 1.272 11.705 38.927 1.00 38.10 ATOM 5016 01 HOH W 230 1.272 11.705 38.927 1.00 38.10 ATOM 5016 01 HOH W 231 -7.721 2.573 21.097 1.00 38.10 ATOM 5016 01 HOH W 233 51.386 9.817 55.516 1.00 33.72 ATOM 5016 01 HOH W 231 -7.721 2.573 21.097 1.00 38.10 ATOM 5016 01 HOH W 233 51.590 10.248 47.362 1.00 37.83 ATOM 5016 01 HOH W 231 -7.721 2.573 21.097 1.00 38.10 ATOM 5017 01 HOH W 233 51.595 32.548 55.051 1.00 30.33 ATOM 5020 01 HOH W 233 51.950 32.548 55.051 1.00 30.33 ATOM 5020 01 HOH W 233 51.950 32.548 55.051 1.00 30.33 ATOM 5020 01 HOH W 233 51.950 32.548 55.051 1.00 41.83 ATOM 5020 01 HOH W 233 51.950 32.548 55.051 1.00 48.79 ATOM 5020 01 HOH W 233 51.950 32.548 55.051 1.00 41.83 ATOM 5020 01 HOH W 233 51.950 32.548 55.051 1.00 41.83 ATOM 5020 01 HOH W 233 51.950 32.548 55.051 1.00 41.83 ATOM 5020 01 HOH W 233 51.950 32.548 55.051 1.00 41.83 ATOM 5020 01 HOH W 233 51.950 32.548 55.051 1.00 41.83 ATOM 5020 01 HOH W 234 58.877 41.394 62.179 1.00 48.79 ATOM 5020 01 HOH W 234 58.877 41.394 62.179 1.00 45.27 ATOM 5020 01 HOH W 241 63.691 11.12 74.634 1.00 41.87 ATOM 5030 01 HOH W 241 63.691 11.447 30.436 1.00 45.75 ATOM 5030 01 HOH W 244 44.599 4.374 68.601 1.00 45.75 ATOM 5030 01 HOH W 24									
ATOM 5000 01 HOH W 215	ATOM 5000 01 HOH W 215									
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ATOM 5010 O1 HOH W 225 14.573 9.677 49.224 1.00 33.72 ATOM 5011 O1 HOH W 226 53.818 34.420 83.299 1.00 40.34 ATOM 5012 O1 HOH W 227 11.775 4.191 51.814 1.00 46.81 ATOM 5013 O1 HOH W 228 36.320 19.863 21.440 1.00 41.37 ATOM 5014 O1 HOH W 229 15.790 10.248 47.362 1.00 37.82 ATOM 5015 O1 HOH W 230 1.272 11.705 38.927 1.00 32.13 ATOM 5016 O1 HOH W 231 -7.721 2.573 21.097 1.00 38.10 ATOM 5017 O1 HOH W 231 53.283 19.471 53.553 1.00 38.71 ATOM 5018 O1 HOH W 233 51.895 32.548 55.051 1.00 30.33 ATOM 5019 O1 HOH W 234 58.877 41.394 62.179 1.00 45.27 ATOM 5020 O1 HOH W 235 -8.538 -1.081 21.839 1.00 39.11 ATOM 5021 O1 HOH W 236 -0.733 4.812 51.216 1.00 41.83 ATOM 5022 O1 HOH W 237 60.623 35.681 72.217 1.00 39.90 ATOM 5023 O1 HOH W 238 57.744 28.339 55.220 1.00 37.07 ATOM 5023 O1 HOH W 239 59.092 12.614 50.910 1.00 48.79 ATOM 5025 O1 HOH W 240 68.091 31.724 68.601 1.00 34.66 ATOM 5027 O1 HOH W 241 63.691 18.438 72.638 1.00 37.07 ATOM 5025 O1 HOH W 241 63.691 18.438 72.638 1.00 47.21 ATOM 5029 O1 HOH W 243 1.457 -17.227 23.707 1.00 48.59 ATOM 5030 O1 HOH W 244 44.599 4.374 53.989 1.00 55.66 ATOM 5030 O1 HOH W 244 44.599 4.374 53.989 1.00 47.21 ATOM 5031 O1 HOH W 245 -2.827 19.837 25.584 1.00 47.21 ATOM 5033 O1 HOH W 246 22.401 -9.408 51.289 1.00 47.21 ATOM 5033 O1 HOH W 247 -7.242 -11.447 30.436 1.00 45.75 ATOM 5033 O1 HOH W 248 35.419 11.112 74.634 1.00 40.36 ATOM 5033 O1 HOH W 249 49.132 5.615 57.803 1.00 45.75 ATOM 5033 O1 HOH W 249 49.132 5.615 57.803 1.00 45.75 ATOM 5033 O1 HOH W 249 49.132 5.615 57.803 1.00 47.21 ATOM 5033 O1 HOH W 249 49.132 5.615 57.803 1.00 47.51 ATOM 5033 O1 HOH W 250 -12.594 4.646 35.004 1.00 53.57 ATOM 5033 O1 HOH W 250 -12.594 4.646 35.004 1.00 53.57 ATOM 5033 O1 HOH W 254 2.103 -8.971 50.00 50.05 50.05 ATOM 5033 O1 HOH W 254 2.103 -8.971 50.00 50.05 50.05 ATOM 5030 O1 HOH W 254 2.103 -8.971 50.00 50.05 50.05 ATOM 5030 O1 HOH W 254 2.103 -8.971 50.00 50.05 50.05 ATOM 5030 O1 HOH W 255 249.280 12.394 79.591 1.00 54.74 ATOM 5030 O1 HOH W 255 249.280 12.394 79.591 1.00 54.74 ATOM 5030 O1 HOH W 255	ATOM 5010 01 HOH W 225 14.573 9.677 49.224 1.00 33.72 ATOM 5011 01 HOH W 226 53.818 34.420 83.299 1.00 40.34 ATOM 5012 01 HOH W 227 11.775 4.191 51.814 1.00 46.81 ATOM 5013 01 HOH W 228 36.320 19.863 21.440 1.00 41.37 ATOM 5014 01 HOH W 229 15.790 10.248 47.362 1.00 37.82 ATOM 5015 01 HOH W 230 1.272 11.705 38.927 1.00 32.13 ATOM 5016 01 HOH W 231 -7.721 2.573 21.097 1.00 38.10 ATOM 5017 01 HOH W 232 53.283 19.471 53.553 1.00 38.71 ATOM 5018 01 HOH W 234 58.877 41.394 62.179 1.00 345.27 ATOM 5020 01 HOH W 235 -8.538 -1.081 21.839 1.00 39.11 ATOM 5020 01 HOH W 235 -8.538 -1.081 21.839 1.00 39.11 ATOM 5022 01 HOH W 237 60.623 35.681 72.217 1.00 39.90 ATOM 5023 01 HOH W 238 57.744 28.339 55.220 1.00 37.07 ATOM 5023 01 HOH W 238 57.744 28.339 55.220 1.00 37.07 ATOM 5025 01 HOH W 239 59.092 12.614 50.910 1.00 48.79 ATOM 5025 01 HOH W 240 68.091 31.724 68.601 1.00 34.66 ATOM 5027 01 HOH W 241 63.691 18.438 72.638 1.00 33.62 ATOM 5029 01 HOH W 244 63.691 18.438 72.638 1.00 37.07 ATOM 5020 01 HOH W 241 63.691 18.438 72.638 1.00 37.07 ATOM 5027 01 HOH W 244 63.691 18.438 72.638 1.00 37.07 ATOM 5029 01 HOH W 244 63.691 18.438 72.638 1.00 37.07 ATOM 5029 01 HOH W 244 63.691 18.438 72.638 1.00 37.07 ATOM 5029 01 HOH W 244 63.691 18.438 72.638 1.00 37.07 ATOM 5029 01 HOH W 243 1.457 -17.227 23.707 1.00 48.59 ATOM 5030 01 HOH W 244 44.599 4.374 53.989 1.00 55.66 ATOM 5030 01 HOH W 244 64.599 4.374 53.989 1.00 55.66 ATOM 5033 01 HOH W 245 -2.827 19.837 25.584 1.00 47.21 ATOM 5033 01 HOH W 245 -2.827 19.837 25.584 1.00 47.21 ATOM 5033 01 HOH W 245 -2.827 19.837 25.584 1.00 47.21 ATOM 5033 01 HOH W 245 -2.827 19.837 26.586 11.00 47.21 ATOM 5033 01 HOH W 245 -2.827 19.837 26.586 11.00 47.21 ATOM 5033 01 HOH W 245 -2.827 19.837 26.586 11.00 47.21 ATOM 5033 01 HOH W 250 -12.594 4.646 35.004 1.00 45.75 ATOM 5033 01 HOH W 250 -12.594 4.646 35.004 1.00 45.75 ATOM 5038 01 HOH W 250 -12.594 4.646 35.004 1.00 40.36 ATOM 5036 01 HOH W 250 -12.594 4.646 35.004 1.00 44.27 ATOM 5038 01 HOH W 250 -12.594 4.646 35.004 1.00 40.36 ATOM 5037 01	MOTA	5008	01	HOH W	223	51.386			
ATOM 5011 01 HOH W 226 53.818 34.420 83.299 1.00 40.34 ATOM 5012 01 HOH W 227 11.775 4.191 51.814 1.00 46.81 ATOM 5013 01 HOH W 228 36.320 19.863 21.440 1.00 41.37 ATOM 5015 01 HOH W 230 1.272 11.705 38.927 1.00 37.82 ATOM 5016 01 HOH W 231 -7.721 2.573 21.097 1.00 38.10 ATOM 5017 01 HOH W 232 53.883 19.471 53.553 1.00 38.71 ATOM 5018 01 HOH W 233 51.950 32.548 55.051 1.00 30.33 ATOM 5019 01 HOH W 235 -8.538 -1.081 21.839 1.00 39.11 ATOM 5020 01 HOH W 235 -8.538 -1.081 21.839 1.00 39.11 ATOM 5022 01 HOH W 237 60.623 35.681 72.217 1.00 39.01 ATOM 5023 01 HOH W 238 57.744 28.339 55.202 1.00 37.07 ATOM 5023 01 HOH W 239 59.092 12.614 50.910 1.00 48.79 ATOM 5025 01 HOH W 240 68.091 31.724 668.601 1.00 34.66 ATOM 5026 01 HOH W 241 63.691 18.438 72.638 1.00 33.62 ATOM 5029 01 HOH W 243 1.457 -17.227 23.707 1.00 48.59 ATOM 5020 01 HOH W 243 1.457 -17.227 23.707 1.00 48.59 ATOM 5023 01 HOH W 244 44.599 4.374 53.989 1.00 37.07 ATOM 5025 01 HOH W 244 44.599 4.374 53.989 1.00 47.21 ATOM 5025 01 HOH W 243 1.457 -17.227 23.707 1.00 48.59 ATOM 5030 01 HOH W 244 44.599 4.374 53.989 1.00 55.66 ATOM 5031 01 HOH W 245 -2.827 19.837 25.584 1.00 44.10 ATOM 5031 01 HOH W 245 -2.827 19.837 25.584 1.00 44.10 ATOM 5033 01 HOH W 245 -2.827 19.837 25.584 1.00 44.10 ATOM 5033 01 HOH W 245 -2.827 19.837 25.584 1.00 44.10 ATOM 5033 01 HOH W 245 -2.827 19.837 25.584 1.00 44.10 ATOM 5033 01 HOH W 245 -2.827 19.837 25.584 1.00 44.10 ATOM 5033 01 HOH W 245 -2.827 19.837 25.584 1.00 44.10 ATOM 5033 01 HOH W 245 -2.827 19.837 25.584 1.00 44.10 ATOM 5033 01 HOH W 245 -2.827 19.837 25.584 1.00 44.10 ATOM 5035 01 HOH W 245 -2.827 19.837 25.584 1.00 44.10 ATOM 5035 01 HOH W 245 -2.827 19.837 55.051 1.00 55.66 ATOM 5033 01 HOH W 245 -2.827 19.837 55.051 1.00 55.66 ATOM 5033 01 HOH W 245 -2.827 19.837 25.584 1.00 44.10 ATOM 5035 01 HOH W 245 -2.827 19.837 55.051 1.00 55.57 ATOM 5035 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5036 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5038 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5030 01 HOH	ATOM 5011 O1 HOH W 226 53.818 34.420 83.299 1.00 40.34 ATOM 5012 O1 HOH W 227 11.775 4.191 51.814 1.00 46.81 ATOM 5013 O1 HOH W 228 36.320 19.863 21.440 1.00 41.37 ATOM 5015 O1 HOH W 239 15.790 10.248 47.362 1.00 37.82 ATOM 5016 O1 HOH W 231 -7.721 2.573 21.097 1.00 32.13 ATOM 5017 O1 HOH W 232 53.283 19.471 53.553 1.00 38.10 ATOM 5017 O1 HOH W 233 51.283 19.471 53.553 1.00 38.71 ATOM 5018 O1 HOH W 233 51.950 32.548 55.051 1.00 30.33 ATOM 5019 O1 HOH W 235 -8.538 -1.081 21.839 1.00 39.11 ATOM 5020 O1 HOH W 235 -8.538 -1.081 21.839 1.00 39.11 ATOM 5022 O1 HOH W 237 60.623 35.681 72.217 1.00 39.90 ATOM 5023 O1 HOH W 238 57.744 28.339 55.202 1.00 37.07 ATOM 5023 O1 HOH W 239 59.092 12.614 50.910 1.00 48.79 ATOM 5025 O1 HOH W 240 68.091 31.724 68.601 1.00 34.666 ATOM 5025 O1 HOH W 241 63.691 18.438 72.638 1.00 33.62 ATOM 5029 O1 HOH W 243 1.457 -17.227 23.707 1.00 48.59 ATOM 5020 O1 HOH W 243 1.457 -17.227 23.707 1.00 48.59 ATOM 5030 O1 HOH W 244 44.599 4.374 53.989 1.00 47.21 ATOM 5030 O1 HOH W 243 1.457 -17.227 23.707 1.00 48.59 ATOM 5030 O1 HOH W 243 1.457 -17.227 23.707 1.00 48.59 ATOM 5030 O1 HOH W 244 44.599 4.374 53.989 1.00 55.66 ATOM 5030 O1 HOH W 245 -2.827 19.837 25.584 1.00 47.21 ATOM 5030 O1 HOH W 245 -2.827 19.837 25.584 1.00 47.21 ATOM 5033 O1 HOH W 245 -2.827 19.837 25.584 1.00 44.10 ATOM 5033 O1 HOH W 245 -2.827 19.837 25.584 1.00 44.10 ATOM 5033 O1 HOH W 245 -2.827 19.837 25.584 1.00 44.10 ATOM 5033 O1 HOH W 245 -2.827 19.837 25.584 1.00 44.10 ATOM 5033 O1 HOH W 245 -2.827 19.837 25.584 1.00 44.10 ATOM 5035 O1 HOH W 245 -2.827 19.837 25.584 1.00 44.10 ATOM 5035 O1 HOH W 245 -2.827 19.837 25.584 1.00 44.10 ATOM 5035 O1 HOH W 245 -2.827 19.837 25.584 1.00 44.10 ATOM 5035 O1 HOH W 245 -2.827 19.837 25.584 1.00 44.10 ATOM 5035 O1 HOH W 245 -2.827 19.837 25.584 1.00 44.10 ATOM 5035 O1 HOH W 245 -2.827 19.837 25.584 1.00 44.10 ATOM 5035 O1 HOH W 245 -2.827 19.837 55.051 1.00 54.74 ATOM 5036 O1 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5036 O1 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5036 O1 H	ATOM	5009	01	HOH W	224	47.376	31.902	85.186	
ATOM 5011 01 HOH W 226 53.818 34.420 83.299 1.00 40.34 ATOM 5012 01 HOH W 227 11.775 4.191 51.814 1.00 46.81 ATOM 5013 01 HOH W 228 36.320 19.863 21.440 1.00 41.37 ATOM 5014 01 HOH W 229 15.790 10.248 47.362 1.00 37.82 ATOM 5015 01 HOH W 230 1.272 11.705 38.927 1.00 32.13 ATOM 5016 01 HOH W 231 -7.721 2.573 21.097 1.00 38.10 ATOM 5017 01 HOH W 232 53.283 19.471 53.553 1.00 38.71 ATOM 5018 01 HOH W 234 58.877 41.394 62.179 1.00 45.27 ATOM 5020 01 HOH W 235 -8.538 -1.081 21.839 1.00 39.11 ATOM 5021 01 HOH W 236 -0.733 4.812 51.216 1.00 41.83 ATOM 5022 01 HOH W 237 66.623 35.681 72.217 1.00 39.91 ATOM 5023 01 HOH W 239 59.092 12.614 50.910 1.00 48.79 ATOM 5025 01 HOH W 239 59.092 12.614 50.910 1.00 48.79 ATOM 5025 01 HOH W 240 68.091 31.724 68.601 1.00 47.21 ATOM 5027 01 HOH W 240 68.091 31.724 68.601 1.00 47.21 ATOM 5027 01 HOH W 243 1.457 -17.227 23.707 1.00 48.59 ATOM 5029 01 HOH W 243 1.457 -17.227 23.707 1.00 48.59 ATOM 5029 01 HOH W 244 44.599 4.374 53.989 1.00 47.21 ATOM 5030 01 HOH W 244 44.599 4.374 53.989 1.00 47.21 ATOM 5031 01 HOH W 244 44.599 4.374 53.989 1.00 55.66 ATOM 5033 01 HOH W 245 -2.827 19.837 25.584 1.00 47.21 ATOM 5033 01 HOH W 248 35.419 11.112 74.634 1.00 46.21 ATOM 5033 01 HOH W 248 35.419 11.112 74.634 1.00 46.21 ATOM 5033 01 HOH W 248 35.419 11.112 74.634 1.00 46.21 ATOM 5033 01 HOH W 248 35.419 11.112 74.634 1.00 46.21 ATOM 5033 01 HOH W 248 35.419 11.112 74.634 1.00 46.21 ATOM 5033 01 HOH W 249 49.132 5.615 57.803 1.00 47.21 ATOM 5033 01 HOH W 248 35.419 11.112 74.634 1.00 40.36 ATOM 5035 01 HOH W 250 -12.594 4.666 35.004 1.00 44.27 ATOM 5036 01 HOH W 251 49.280 12.394 79.591 1.00 54.74 ATOM 5038 01 HOH W 252 49.280 12.394 79.591 1.00 54.74 ATOM 5038 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5039 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5039 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5030 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5030 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5030 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5030 01 HOH W	ATOM 5011 01 HOH W 226 53.818 34.420 83.299 1.00 40.34 ATOM 5012 01 HOH W 227 111.775 4.191 51.814 1.00 46.81 ATOM 5013 01 HOH W 228 36.320 19.863 21.440 1.00 41.37 ATOM 5014 01 HOH W 229 15.790 10.248 47.362 1.00 37.82 ATOM 5015 01 HOH W 230 1.272 11.705 38.927 1.00 32.13 ATOM 5016 01 HOH W 231 -7.721 2.573 21.097 1.00 38.10 ATOM 5017 01 HOH W 232 53.283 19.471 53.553 1.00 38.71 ATOM 5018 01 HOH W 233 55.283 19.471 53.555 1.00 30.33 ATOM 5019 01 HOH W 234 58.877 41.394 62.179 1.00 45.27 ATOM 5020 01 HOH W 235 -8.538 -1.081 21.839 1.00 39.11 ATOM 5021 01 HOH W 237 60.623 35.681 72.217 1.00 39.90 ATOM 5023 01 HOH W 238 57.44 28.339 55.220 1.00 37.07 ATOM 5023 01 HOH W 239 59.092 12.614 50.910 1.00 48.79 ATOM 5025 01 HOH W 240 68.091 31.724 68.601 1.00 44.879 ATOM 5025 01 HOH W 241 68.691 31.724 68.601 1.00 47.21 ATOM 5027 01 HOH W 242 53.127 41.929 58.612 1.00 33.62 ATOM 5029 01 HOH W 243 1.457 -17.227 23.707 1.00 48.59 ATOM 5023 01 HOH W 243 1.457 -17.227 23.707 1.00 48.59 ATOM 5025 01 HOH W 243 1.457 -17.227 23.707 1.00 48.59 ATOM 5025 01 HOH W 243 1.457 -17.227 23.707 1.00 48.59 ATOM 5023 01 HOH W 244 44.599 4.374 53.989 1.00 55.66 ATOM 5030 01 HOH W 244 44.599 4.374 53.989 1.00 55.66 ATOM 5030 01 HOH W 244 44.599 4.374 53.989 1.00 55.66 ATOM 5033 01 HOH W 244 44.599 4.374 53.989 1.00 55.66 ATOM 5033 01 HOH W 244 44.599 4.374 53.989 1.00 55.66 ATOM 5033 01 HOH W 244 44.599 4.374 53.989 1.00 55.66 ATOM 5033 01 HOH W 248 35.419 11.112 74.634 1.00 44.10 ATOM 5033 01 HOH W 248 35.419 11.112 74.634 1.00 46.21 ATOM 5035 01 HOH W 250 -12.594 4.646 35.004 1.00 44.57 ATOM 5036 01 HOH W 250 -12.594 4.646 35.004 1.00 45.75 ATOM 5038 01 HOH W 251 -12.226 3.502 24.096 1.00 53.57 ATOM 5039 01 HOH W 255 24.9280 12.394 79.591 1.00 54.74 ATOM 5038 01 HOH W 255 24.9280 12.394 79.591 1.00 54.74 ATOM 5038 01 HOH W 255 24.9280 12.394 79.591 1.00 54.74 ATOM 5038 01 HOH W 255 24.9280 12.394 79.591 1.00 54.74 ATOM 5030 01 HOH W 255 24.9280 12.394 79.591 1.00 54.74 ATOM 5030 01 HOH W 255 24.9280 12.394 79.591 1.00 54.74 ATOM 5030 01	MOTA	5010	01	HOH W	225	14.573	9.677	49.224	1.00 33.72
ATOM 5012 01 HOH W 227 11.775 4.191 51.814 1.00 46.81 ATOM 5013 01 HOH W 228 36.320 19.863 21.440 1.00 41.37 ATOM 5014 01 HOH W 229 15.790 10.248 47.362 1.00 37.82 ATOM 5015 01 HOH W 231 -7.721 2.573 21.097 1.00 38.10 ATOM 5016 01 HOH W 231 -7.721 2.573 21.097 1.00 38.10 ATOM 5018 01 HOH W 233 51.950 32.548 55.051 1.00 30.33 ATOM 5019 01 HOH W 233 51.950 32.548 55.051 1.00 30.33 ATOM 5019 01 HOH W 234 58.877 41.394 62.179 1.00 45.27 ATOM 5020 01 HOH W 235 -8.538 -1.081 21.839 1.00 39.11 ATOM 5020 01 HOH W 236 -0.733 4.812 51.216 1.00 41.83 ATOM 5022 01 HOH W 237 60.623 35.681 72.217 1.00 39.90 ATOM 5023 01 HOH W 238 57.744 28.339 55.220 1.00 37.07 ATOM 5023 01 HOH W 239 59.092 12.614 50.910 1.00 48.79 ATOM 5025 01 HOH W 240 68.091 31.724 68.601 1.00 34.66 ATOM 5025 01 HOH W 241 63.691 18.438 72.638 1.00 33.62 ATOM 5028 01 HOH W 242 53.127 41.929 58.612 1.00 34.62 ATOM 5028 01 HOH W 242 53.127 41.929 58.612 1.00 34.62 ATOM 5030 01 HOH W 243 1.457 -17.227 23.707 1.00 48.59 ATOM 5030 01 HOH W 244 44.599 4.374 53.989 1.00 55.66 ATOM 5030 01 HOH W 244 44.599 4.374 53.989 1.00 55.66 ATOM 5030 01 HOH W 246 22.401 -9.408 51.289 1.00 44.21 ATOM 5033 01 HOH W 247 -7.242 -11.447 30.436 1.00 44.21 ATOM 5033 01 HOH W 248 35.419 11.112 74.634 1.00 44.51 ATOM 5033 01 HOH W 248 35.419 11.112 74.634 1.00 44.51 ATOM 5033 01 HOH W 248 35.419 11.112 74.634 1.00 44.51 ATOM 5033 01 HOH W 249 49.132 5.615 57.803 1.00 41.51 ATOM 5035 01 HOH W 249 49.132 5.615 57.803 1.00 44.57 ATOM 5033 01 HOH W 249 49.132 5.615 57.803 1.00 44.51 ATOM 5035 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5038 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5038 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5039 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5030 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5030 01 HOH W 256 49.280 12.394 79.591 1.00 54.74 ATOM 5040 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5040 01 HOH W 256 43.680 17.273 82.570 1.00 36.27 ATOM 5040 01 HOH W 256 43.680 17.273 82.570 1.00 36.27 ATOM 5040 01 HOH W	ATOM 5012 01 HOH W 227 11.775 4.191 51.814 1.00 46.81 ATOM 5013 01 HOH W 228 36.320 19.863 21.440 1.00 41.37 ATOM 5014 01 HOH W 229 15.790 10.248 47.362 1.00 37.82 ATOM 5015 01 HOH W 230 1.272 11.705 38.927 1.00 32.13 ATOM 5016 01 HOH W 231 -7.721 2.573 21.097 1.00 38.10 ATOM 5017 01 HOH W 232 53.283 19.471 53.553 1.00 38.71 ATOM 5018 01 HOH W 233 51.950 32.548 55.051 1.00 30.33 ATOM 5019 01 HOH W 234 58.877 41.394 62.179 1.00 39.11 ATOM 5020 01 HOH W 235 -8.538 -1.081 21.839 1.00 39.11 ATOM 5020 01 HOH W 237 60.623 35.681 72.217 1.00 39.90 ATOM 5022 01 HOH W 237 60.623 35.681 72.217 1.00 39.90 ATOM 5023 01 HOH W 238 57.744 28.339 55.220 1.00 37.07 ATOM 5023 01 HOH W 239 59.092 12.614 50.910 1.00 48.79 ATOM 5025 01 HOH W 240 68.091 31.724 68.601 1.00 34.66 ATOM 5026 01 HOH W 241 63.691 18.438 72.638 1.00 33.62 ATOM 5029 01 HOH W 242 53.127 41.929 58.612 1.00 34.62 ATOM 5029 01 HOH W 243 1.457 -17.227 23.707 1.00 48.59 ATOM 5030 01 HOH W 243 1.457 -17.227 23.707 1.00 48.59 ATOM 5030 01 HOH W 244 44.599 4.374 53.989 1.00 55.66 ATOM 5030 01 HOH W 244 44.599 4.374 53.989 1.00 55.66 ATOM 5031 01 HOH W 248 35.419 11.112 74.634 1.00 44.10 ATOM 5033 01 HOH W 248 35.419 11.112 74.634 1.00 44.51 ATOM 5035 01 HOH W 249 49.132 5.615 57.803 1.00 44.51 ATOM 5035 01 HOH W 249 49.132 5.615 57.803 1.00 44.51 ATOM 5035 01 HOH W 249 49.132 5.615 57.803 1.00 44.51 ATOM 5035 01 HOH W 249 49.132 5.615 57.803 1.00 44.51 ATOM 5035 01 HOH W 249 49.132 5.615 57.803 1.00 44.51 ATOM 5035 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5035 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5038 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5039 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5039 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5039 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5030 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5039 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5039 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5030 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5030 01 HOH W 25			01	HOH W	226	53.818	34.420	83.299	1.00 40.34
ATOM 5013 01 HOH W 228 36.320 19.863 21.440 1.00 41.37 ATOM 5014 01 HOH W 229 15.790 10.248 47.362 1.00 37.82 ATOM 5015 01 HOH W 230 1.272 11.705 38.927 1.00 32.13 ATOM 5016 01 HOH W 231 -7.721 2.573 21.097 1.00 38.10 ATOM 5017 01 HOH W 232 53.283 19.471 53.553 1.00 38.71 ATOM 5018 01 HOH W 233 51.950 32.548 55.051 1.00 30.33 ATOM 5019 01 HOH W 234 58.877 41.394 62.179 1.00 45.27 ATOM 5020 01 HOH W 235 -8.538 -1.081 21.839 1.00 39.11 ATOM 5021 01 HOH W 237 60.623 35.681 72.217 1.00 39.90 ATOM 5022 01 HOH W 238 57.744 28.339 55.220 1.00 37.07 ATOM 5023 01 HOH W 238 57.744 28.339 55.220 1.00 37.07 ATOM 5025 01 HOH W 240 68.091 31.724 68.601 1.00 448.79 ATOM 5025 01 HOH W 240 68.091 31.724 68.601 1.00 47.21 ATOM 5026 01 HOH W 241 63.691 18.438 72.638 1.00 33.62 ATOM 5029 01 HOH W 242 53.127 41.929 58.612 1.00 47.21 ATOM 5028 01 HOH W 243 1.457 -17.227 23.707 1.00 48.59 ATOM 5030 01 HOH W 244 44.599 4.374 53.989 1.00 55.66 ATOM 5030 01 HOH W 245 -2.827 19.837 25.584 1.00 44.10 ATOM 5031 01 HOH W 246 22.401 -9.408 51.289 1.00 44.21 ATOM 5033 01 HOH W 247 -7.242 -11.447 30.436 1.00 45.75 ATOM 5033 01 HOH W 248 35.419 11.112 74.634 1.00 40.36 ATOM 5033 01 HOH W 249 49.132 5.615 57.803 1.00 45.75 ATOM 5033 01 HOH W 249 49.132 5.615 57.803 1.00 44.51 ATOM 5033 01 HOH W 249 49.132 5.615 57.803 1.00 44.51 ATOM 5033 01 HOH W 249 49.132 5.615 57.803 1.00 44.51 ATOM 5033 01 HOH W 249 49.132 5.615 57.803 1.00 44.51 ATOM 5033 01 HOH W 249 49.132 5.615 57.803 1.00 44.51 ATOM 5033 01 HOH W 250 -12.594 4.646 35.004 1.00 44.27 ATOM 5033 01 HOH W 251 49.280 12.394 79.591 1.00 54.74 ATOM 5038 01 HOH W 252 49.280 12.394 79.591 1.00 54.74 ATOM 5038 01 HOH W 253 44.128 17.693 48.227 1.00 50.05 ATOM 5039 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5030 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5030 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5030 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5030 01 HOH W 256 43.680 17.273 82.570 1.00 36.27 ATOM 5040 01 HOH W 256 43.680 17.273 82.570 1.00 50.53 67	ATOM 5013 O1 HOH W 228 36.320 19.863 21.440 1.00 41.37 ATOM 5014 O1 HOH W 229 15.790 10.248 47.362 1.00 37.82 ATOM 5015 O1 HOH W 231 12.772 11.705 38.927 1.00 32.13 ATOM 5016 O1 HOH W 231 7.721 2.573 21.097 1.00 38.10 ATOM 5017 O1 HOH W 232 53.283 19.471 53.553 1.00 38.71 ATOM 5018 O1 HOH W 233 51.950 32.548 55.051 1.00 30.33 ATOM 5019 O1 HOH W 235 -8.538 -1.081 21.839 1.00 39.11 ATOM 5021 O1 HOH W 235 -8.538 -1.081 21.839 1.00 39.11 ATOM 5022 O1 HOH W 237 60.623 35.681 72.217 1.00 39.90 ATOM 5023 O1 HOH W 238 57.744 28.339 55.220 1.00 37.07 ATOM 5025 O1 HOH W 239 59.092 12.614 50.910 1.00 48.79 ATOM 5025 O1 HOH W 240 68.091 31.724 68.601 1.00 34.66 ATOM 5026 O1 HOH W 242 53.127 41.929 58.612 1.00 37.62 ATOM 5028 O1 HOH W 243 1.457 -17.227 23.707 1.00 33.62 ATOM 5028 O1 HOH W 243 1.457 -17.227 23.707 1.00 48.59 ATOM 5029 O1 HOH W 243 1.457 -17.227 23.707 1.00 48.59 ATOM 5030 O1 HOH W 243 1.457 -17.227 23.707 1.00 48.59 ATOM 5030 O1 HOH W 244 44.599 4.374 53.989 1.00 55.66 ATOM 5030 O1 HOH W 244 44.599 4.374 53.989 1.00 55.66 ATOM 5033 O1 HOH W 248 35.419 11.112 74.634 1.00 44.21 ATOM 5033 O1 HOH W 248 35.419 11.112 74.634 1.00 44.21 ATOM 5033 O1 HOH W 248 35.419 11.112 74.634 1.00 44.51 ATOM 5033 O1 HOH W 249 49.132 5.615 57.803 1.00 44.51 ATOM 5033 O1 HOH W 249 49.132 5.615 57.803 1.00 44.51 ATOM 5033 O1 HOH W 248 35.419 11.112 74.634 1.00 40.36 ATOM 5033 O1 HOH W 248 35.419 11.112 74.634 1.00 44.51 ATOM 5033 O1 HOH W 249 49.132 5.615 57.803 1.00 45.75 ATOM 5033 O1 HOH W 250 -12.594 4.646 35.004 1.00 44.27 ATOM 5033 O1 HOH W 250 -12.594 4.646 35.004 1.00 53.57 ATOM 5038 O1 HOH W 253 44.128 17.693 48.227 1.00 50.55 ATOM 5039 O1 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5038 O1 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5038 O1 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5030 O1 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5030 O1 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5030 O1 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5030 O1 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5030 O1 HOH W						11.775	4.191	51.814	1.00 46.81
ATOM 5014 01 HOH W 229 15.790 10.248 47.362 1.00 37.82 ATOM 5015 01 HOH W 230 1.272 11.705 38.927 1.00 32.13 ATOM 5016 01 HOH W 231 -7.721 2.573 21.097 1.00 38.10 ATOM 5017 01 HOH W 232 53.283 19.471 53.553 1.00 38.71 ATOM 5018 01 HOH W 233 51.950 32.548 55.051 1.00 30.33 ATOM 5019 01 HOH W 234 58.877 41.394 62.179 1.00 45.27 ATOM 5020 01 HOH W 235 -8.538 -1.081 21.839 1.00 39.11 ATOM 5021 01 HOH W 236 -0.733 4.812 51.216 1.00 41.83 ATOM 5022 01 HOH W 237 60.623 35.681 72.217 1.00 39.90 ATOM 5022 01 HOH W 238 57.744 28.339 55.220 1.00 37.07 ATOM 5022 01 HOH W 239 59.092 12.614 50.910 1.00 48.79 ATOM 5025 01 HOH W 240 68.091 31.724 68.601 1.00 44.87 ATOM 5025 01 HOH W 241 63.691 18.438 72.638 1.00 33.62 ATOM 5028 01 HOH W 242 53.127 41.929 58.612 1.00 47.21 ATOM 5028 01 HOH W 243 1.457 -17.227 23.707 1.00 48.59 ATOM 5029 01 HOH W 243 1.457 -17.227 23.707 1.00 48.59 ATOM 5030 01 HOH W 245 -2.827 19.837 25.584 1.00 44.10 ATOM 5031 01 HOH W 246 22.401 -9.408 51.289 1.00 46.21 ATOM 5032 01 HOH W 247 -7.242 -11.417 30.436 1.00 44.72 ATOM 5033 01 HOH W 248 35.419 11.112 74.634 1.00 44.10 ATOM 5033 01 HOH W 248 35.419 11.112 74.634 1.00 44.10 ATOM 5033 01 HOH W 249 49.132 5.615 57.803 1.00 45.75 ATOM 5035 01 HOH W 249 49.132 5.615 57.803 1.00 45.75 ATOM 5036 01 HOH W 249 49.132 5.615 57.803 1.00 44.51 ATOM 5035 01 HOH W 249 49.132 5.615 57.803 1.00 41.51 ATOM 5036 01 HOH W 250 -12.594 4.646 35.004 1.00 44.27 ATOM 5035 01 HOH W 250 -12.594 4.646 35.004 1.00 44.72 ATOM 5037 01 HOH W 250 -12.594 4.646 35.004 1.00 44.27 ATOM 5038 01 HOH W 250 -12.594 4.646 35.004 1.00 44.57 ATOM 5038 01 HOH W 250 -12.594 4.646 35.004 1.00 44.57 ATOM 5038 01 HOH W 250 -12.594 4.646 35.004 1.00 44.27 ATOM 5038 01 HOH W 250 -12.594 4.646 35.004 1.00 44.57 ATOM 5039 01 HOH W 250 -12.594 4.646 35.004 1.00 44.27 ATOM 5037 01 HOH W 250 -12.594 4.646 35.004 1.00 54.74 ATOM 5038 01 HOH W 250 -12.594 4.646 35.004 1.00 54.78 ATOM 5039 01 HOH W 250 -12.594 4.646 35.004 1.00 54.78 ATOM 5039 01 HOH W 250 -12.594 4.646 35.004 1.00 54.78 ATOM 5039 01 HOH	ATOM 5014 01 HOH W 229 15.790 10.248 47.362 1.00 37.82 ATOM 5015 01 HOH W 230 1.272 11.705 38.927 1.00 32.13 ATOM 5016 01 HOH W 231 -7.721 2.573 21.097 1.00 38.10 ATOM 5017 01 HOH W 232 53.283 19.471 53.553 1.00 38.71 ATOM 5018 01 HOH W 233 51.950 32.548 55.051 1.00 30.33 ATOM 5019 01 HOH W 234 58.877 41.394 62.179 1.00 45.27 ATOM 5020 01 HOH W 235 -8.538 -1.081 21.839 1.00 39.11 ATOM 5021 01 HOH W 236 -0.733 4.812 51.216 1.00 41.83 ATOM 5022 01 HOH W 237 60.623 35.681 72.217 1.00 39.90 ATOM 5023 01 HOH W 238 57.744 28.339 55.220 1.00 37.07 ATOM 5024 01 HOH W 239 59.092 12.614 50.910 1.00 48.79 ATOM 5025 01 HOH W 240 68.091 31.724 68.601 1.00 44.27 ATOM 5027 01 HOH W 241 63.691 18.438 72.638 1.00 33.62 ATOM 5028 01 HOH W 243 1.457 -17.227 23.707 1.00 47.21 ATOM 5028 01 HOH W 243 1.457 -17.227 23.707 1.00 48.59 ATOM 5029 01 HOH W 244 44.599 4.374 53.989 1.00 55.66 ATOM 5030 01 HOH W 245 -2.827 19.837 25.584 1.00 44.10 ATOM 5031 01 HOH W 246 22.401 -9.408 51.289 1.00 46.21 ATOM 5033 01 HOH W 247 -7.242 -11.447 30.436 1.00 44.57 ATOM 5033 01 HOH W 248 35.419 11.112 74.634 1.00 44.10 ATOM 5033 01 HOH W 248 35.419 11.112 74.634 1.00 45.75 ATOM 5035 01 HOH W 249 49.132 5.615 57.803 1.00 45.75 ATOM 5035 01 HOH W 249 49.132 5.615 57.803 1.00 45.75 ATOM 5035 01 HOH W 249 49.132 5.615 57.803 1.00 45.75 ATOM 5035 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5038 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5038 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5039 01 HOH W 255 49.280 12.394 79.591 1.00 54.74 ATOM 5039 01 HOH W 255 49.280 12.394 79.591 1.00 54.78 ATOM 5039 01 HOH W 255 49.280 12.394 79.591 1.00 54.78 ATOM 5039 01 HOH W 255 29.402 -6.675 32.345 1.00 54.78 ATOM 5040 01 HOH W 255 29.402 -6.675 32.345 1.00 54.78 ATOM 5040 01 HOH W 255 29.402 -6.675 32.345 1.00 54.78 ATOM 5040 01 HOH W 255 29.402 -6.675 32.345 1.00 54.78 ATOM 5040 01 HOH W 255 29.402 -6.675 32.345 1.00 54.78 ATOM 5040 01 HOH W 256 43.680 17.273 82.570 1.00 36.27 ATOM 5040 01 HOH W 256 43.680 17.273 82.570 1.00 36.27 ATOM 5040 01 HOH							19.863	21.440	1.00 41.37
ATOM 5015 O1 HOH W 230	ATOM 5015 O1 HOH W 230									
ATOM 5016 O1 HOH W 231	ATOM 5016 O1 HOH W 231									
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ATOM 5031 O1 HOH W 246 22.401 -9.408 51.289 1.00 46.21 ATOM 5032 O1 HOH W 247 -7.242 -11.447 30.436 1.00 45.75 ATOM 5033 O1 HOH W 248 35.419 11.112 74.634 1.00 40.36 ATOM 5035 O1 HOH W 250 -12.594 4.646 35.004 1.00 44.27 ATOM 5036 O1 HOH W 251 -12.226 3.502 24.096 1.00 53.57 ATOM 5037 O1 HOH W 252 49.280 12.394 79.591 1.00 54.74 ATOM 5038 O1 HOH W 253 44.128 17.693 48.227 1.00 50.05 ATOM 5039 O1 HOH W 254 2.013 -8.971 51.042 1.00 34.88 ATOM 5040 O1 HOH W 255 29.402 -6.675 32.345 1.00 54.78 ATOM 5041 O1 HOH W 256 43.680 17.273 82.570 1.00 36.27 ATOM 5042 O1 HOH W 257 31.835 -0.971 66.953 1.00 53.67	ATOM 5031 O1 HOH W 246 22.401 -9.408 51.289 1.00 46.21 ATOM 5032 O1 HOH W 247 -7.242 -11.447 30.436 1.00 45.75 ATOM 5033 O1 HOH W 249 49.132 5.615 57.803 1.00 41.51 ATOM 5035 O1 HOH W 250 -12.594 4.646 35.004 1.00 44.27 ATOM 5037 O1 HOH W 251 -12.226 3.502 24.096 1.00 53.57 ATOM 5038 O1 HOH W 252 49.280 12.394 79.591 1.00 54.74 ATOM 5039 O1 HOH W 253 44.128 17.693 48.227 1.00 50.05 ATOM 5040 O1 HOH W 255 29.402 -6.675 32.345 1.00 34.88 ATOM 5041 O1 HOH W 255 43.680 17.273 82.570 1.00 36.27 ATOM 5042 O1 HOH W 257 31.835 -0.971 66.953 1.00 53.67	MOTA	5029	01	HOH W	244	44.599			
ATOM 5032 O1 HOH W 247	ATOM 5032 O1 HOH W 247	ATOM	5030	01	HOH W	245	-2.827	19.837	25.584	1.00 44.10
ATOM 5032 01 HOH W 247	ATOM 5032 01 HOH W 247	MOTA	5031	01	нон м	246	22.401	-9.408	51.289	1.00 46.21
ATOM 5033 O1 HOH W 248 35.419 11.112 74.634 1.00 40.36 ATOM 5034 O1 HOH W 249 49.132 5.615 57.803 1.00 41.51 ATOM 5035 O1 HOH W 250 -12.594 4.646 35.004 1.00 44.27 ATOM 5036 O1 HOH W 251 -12.226 3.502 24.096 1.00 53.57 ATOM 5037 O1 HOH W 252 49.280 12.394 79.591 1.00 54.74 ATOM 5038 O1 HOH W 253 44.128 17.693 48.227 1.00 50.05 ATOM 5039 O1 HOH W 254 2.013 -8.971 51.042 1.00 34.88 ATOM 5040 O1 HOH W 255 29.402 -6.675 32.345 1.00 54.78 ATOM 5041 O1 HOH W 256 43.680 17.273 82.570 1.00 36.27 ATOM 5042 O1 HOH W 257 31.835 -0.971 66.953 1.00 53.67	ATOM 5033 O1 HOH W 248 35.419 11.112 74.634 1.00 40.36 ATOM 5034 O1 HOH W 249 49.132 5.615 57.803 1.00 41.51 ATOM 5035 O1 HOH W 250 -12.594 4.646 35.004 1.00 44.27 ATOM 5036 O1 HOH W 251 -12.226 3.502 24.096 1.00 53.57 ATOM 5038 O1 HOH W 252 49.280 12.394 79.591 1.00 54.74 ATOM 5039 O1 HOH W 253 44.128 17.693 48.227 1.00 50.05 ATOM 5040 O1 HOH W 255 29.402 -6.675 32.345 1.00 34.88 ATOM 5040 O1 HOH W 255 29.402 -6.675 32.345 1.00 54.78 ATOM 5042 O1 HOH W 257 31.835 -0.971 66.953 1.00 53.67						-7.242	-11.447	30.436	1.00 45.75
ATOM 5034 O1 HOH W 249 49.132 5.615 57.803 1.00 41.51 ATOM 5035 O1 HOH W 250 -12.594 4.646 35.004 1.00 44.27 ATOM 5036 O1 HOH W 251 -12.226 3.502 24.096 1.00 53.57 ATOM 5037 O1 HOH W 252 49.280 12.394 79.591 1.00 54.74 ATOM 5038 O1 HOH W 253 44.128 17.693 48.227 1.00 50.05 ATOM 5039 O1 HOH W 254 2.013 -8.971 51.042 1.00 34.88 ATOM 5040 O1 HOH W 255 29.402 -6.675 32.345 1.00 54.78 ATOM 5041 O1 HOH W 256 43.680 17.273 82.570 1.00 36.27 ATOM 5042 O1 HOH W 257 31.835 -0.971 66.953 1.00 53.67	ATOM 5034 O1 HOH W 249 49.132 5.615 57.803 1.00 41.51 ATOM 5035 O1 HOH W 250 -12.594 4.646 35.004 1.00 44.27 ATOM 5036 O1 HOH W 251 -12.226 3.502 24.096 1.00 53.57 ATOM 5037 O1 HOH W 252 49.280 12.394 79.591 1.00 54.74 ATOM 5038 O1 HOH W 253 44.128 17.693 48.227 1.00 50.05 ATOM 5039 O1 HOH W 254 2.013 -8.971 51.042 1.00 34.88 ATOM 5040 O1 HOH W 255 29.402 -6.675 32.345 1.00 54.78 ATOM 5041 O1 HOH W 256 43.680 17.273 82.570 1.00 36.27 ATOM 5042 O1 HOH W 257 31.835 -0.971 66.953 1.00 53.67						35.419	11.112	74.634	1.00 40.36
ATOM 5035 O1 HOH W 250 -12.594 4.646 35.004 1.00 44.27 ATOM 5036 O1 HOH W 251 -12.226 3.502 24.096 1.00 53.57 ATOM 5037 O1 HOH W 252 49.280 12.394 79.591 1.00 54.74 ATOM 5038 O1 HOH W 253 44.128 17.693 48.227 1.00 50.05 ATOM 5039 O1 HOH W 254 2.013 -8.971 51.042 1.00 34.88 ATOM 5040 O1 HOH W 255 29.402 -6.675 32.345 1.00 54.78 ATOM 5041 O1 HOH W 256 43.680 17.273 82.570 1.00 36.27 ATOM 5042 O1 HOH W 257 31.835 -0.971 66.953 1.00 53.67	ATOM 5035 O1 HOH W 250 -12.594 4.646 35.004 1.00 44.27 ATOM 5036 O1 HOH W 251 -12.226 3.502 24.096 1.00 53.57 ATOM 5037 O1 HOH W 252 49.280 12.394 79.591 1.00 54.74 ATOM 5038 O1 HOH W 253 44.128 17.693 48.227 1.00 50.05 ATOM 5039 O1 HOH W 254 2.013 -8.971 51.042 1.00 34.88 ATOM 5040 O1 HOH W 255 29.402 -6.675 32.345 1.00 54.78 ATOM 5041 O1 HOH W 256 43.680 17.273 82.570 1.00 36.27 ATOM 5042 O1 HOH W 257 31.835 -0.971 66.953 1.00 53.67									1.00 41.51
ATOM 5036 O1 HOH W 251 -12.226 3.502 24.096 1.00 53.57 ATOM 5037 O1 HOH W 252 49.280 12.394 79.591 1.00 54.74 ATOM 5038 O1 HOH W 253 44.128 17.693 48.227 1.00 50.05 ATOM 5039 O1 HOH W 254 2.013 -8.971 51.042 1.00 34.88 ATOM 5040 O1 HOH W 255 29.402 -6.675 32.345 1.00 54.78 ATOM 5041 O1 HOH W 256 43.680 17.273 82.570 1.00 36.27 ATOM 5042 O1 HOH W 257 31.835 -0.971 66.953 1.00 53.67	ATOM 5036 O1 HOH W 251 -12.226 3.502 24.096 1.00 53.57 ATOM 5037 O1 HOH W 252 49.280 12.394 79.591 1.00 54.74 ATOM 5038 O1 HOH W 253 44.128 17.693 48.227 1.00 50.05 ATOM 5039 O1 HOH W 254 2.013 -8.971 51.042 1.00 34.88 ATOM 5040 O1 HOH W 255 29.402 -6.675 32.345 1.00 54.78 ATOM 5041 O1 HOH W 256 43.680 17.273 82.570 1.00 36.27 ATOM 5042 O1 HOH W 257 31.835 -0.971 66.953 1.00 53.67									
ATOM 5037 O1 HOH W 252 49.280 12.394 79.591 1.00 54.74 ATOM 5038 O1 HOH W 253 44.128 17.693 48.227 1.00 50.05 ATOM 5039 O1 HOH W 254 2.013 -8.971 51.042 1.00 34.88 ATOM 5040 O1 HOH W 255 29.402 -6.675 32.345 1.00 54.78 ATOM 5041 O1 HOH W 256 43.680 17.273 82.570 1.00 36.27 ATOM 5042 O1 HOH W 257 31.835 -0.971 66.953 1.00 53.67	ATOM 5037 O1 HOH W 252 49.280 12.394 79.591 1.00 54.74 ATOM 5038 O1 HOH W 253 44.128 17.693 48.227 1.00 50.05 ATOM 5039 O1 HOH W 254 2.013 -8.971 51.042 1.00 34.88 ATOM 5040 O1 HOH W 255 29.402 -6.675 32.345 1.00 54.78 ATOM 5041 O1 HOH W 256 43.680 17.273 82.570 1.00 36.27 ATOM 5042 O1 HOH W 257 31.835 -0.971 66.953 1.00 53.67									
ATOM 5038 O1 HOH W 253 44.128 17.693 48.227 1.00 50.05 ATOM 5039 O1 HOH W 254 2.013 -8.971 51.042 1.00 34.88 ATOM 5040 O1 HOH W 255 29.402 -6.675 32.345 1.00 54.78 ATOM 5041 O1 HOH W 256 43.680 17.273 82.570 1.00 36.27 ATOM 5042 O1 HOH W 257 31.835 -0.971 66.953 1.00 53.67	ATOM 5038 O1 HOH W 253 44.128 17.693 48.227 1.00 50.05 ATOM 5039 O1 HOH W 254 2.013 -8.971 51.042 1.00 34.88 ATOM 5040 O1 HOH W 255 29.402 -6.675 32.345 1.00 54.78 ATOM 5041 O1 HOH W 256 43.680 17.273 82.570 1.00 36.27 ATOM 5042 O1 HOH W 257 31.835 -0.971 66.953 1.00 53.67									
ATOM 5039 O1 HOH W 254 2.013 -8.971 51.042 1.00 34.88 ATOM 5040 O1 HOH W 255 29.402 -6.675 32.345 1.00 54.78 ATOM 5041 O1 HOH W 256 43.680 17.273 82.570 1.00 36.27 ATOM 5042 O1 HOH W 257 31.835 -0.971 66.953 1.00 53.67	ATOM 5039 O1 HOH W 254 2.013 -8.971 51.042 1.00 34.88 ATOM 5040 O1 HOH W 255 29.402 -6.675 32.345 1.00 54.78 ATOM 5041 O1 HOH W 256 43.680 17.273 82.570 1.00 36.27 ATOM 5042 O1 HOH W 257 31.835 -0.971 66.953 1.00 53.67									
ATOM 5040 O1 HOH W 255 29.402 -6.675 32.345 1.00 54.78 ATOM 5041 O1 HOH W 256 43.680 17.273 82.570 1.00 36.27 ATOM 5042 O1 HOH W 257 31.835 -0.971 66.953 1.00 53.67	ATOM 5040 O1 HOH W 255 29.402 -6.675 32.345 1.00 54.78 ATOM 5041 O1 HOH W 256 43.680 17.273 82.570 1.00 36.27 ATOM 5042 O1 HOH W 257 31.835 -0.971 66.953 1.00 53.67									
ATOM 5041 01 HOH W 256 43.680 17.273 82.570 1.00 36.27 ATOM 5042 01 HOH W 257 31.835 -0.971 66.953 1.00 53.67	ATOM 5041 O1 HOH W 256 43.680 17.273 82.570 1.00 36.27 ATOM 5042 O1 HOH W 257 31.835 -0.971 66.953 1.00 53.67									
ATOM 5042 01 HOH W 257 31.835 -0.971 66.953 1.00 53.67	ATOM 5042 O1 HOH W 257 31.835 -0.971 66.953 1.00 53.67									
	ATOM 5043 O1 HOH W 258 34.738 9.985 59.599 1.00 38.24									
ATOM 5043 O1 HOH W 258 34.738 9.985 59.599 1.00 38.24		MOTA	5043	01	HOH W	258	34.738	9.985	59.599	1.00 38.24

MOTA	5044	01	HOH W	259			53.739	1.00 47.65
MOTA	5045	01	HOH W				52.324	1.00 48.04
MOTA	5046	01	HOH W				56.847	1.00 47.20
MOTA	5047	01	HOH W				55.500	1.00 42.65
MOTA	5048	01	HOH W				64.125	1.00 44.25
MOTA	5049	01	HOH W		60.01		60.372	1.00 39.48
MOTA	5050	01	HOH W		41.596		50.813	1.00 39.03
MOTA	5051	01	HOH W		9.560		32.534	1.00 35.34
ATOM	5052	01	HOH W		3.163		48.609	1.00 33.97
MOTA	5053	01	HOH W		16.265		17.553	1.00 51.71
ATOM	5054	01	HOH W		22.132		35.632	1.00 49.25
ATOM	5055	01	HOH W		0.202		30.444	1.00 39.18
ATOM	5056	01	HOH W		28.128		42.510	1.00 41.98
ATOM	5057	01	HOH W			-16.688	38.739	1.00 29.83
ATOM	5058	01	HOH W		37.288		56.333	1.00 54.08
ATOM	5059	01	HOH W		26.953		61.752	1.00 50.25
ATOM	5060	01	HOH W		44.052		56.507	1.00 45.06
MOTA	5061	01	HOH W		25.652		70.742	1.00 42.16
ATOM	5062	01	HOH W		1.252		54.632	1.00 46.31
MOTA	5063	01	HOH W		52.770		63.294	1.00 42.77
ATOM	5064	01	HOH W		-2.597		42.111	1.00 42.65
ATOM	5065	01	HOH W		2.122		52.479	1.00 50.02
ATOM	5066 5067	01	HOH W		51.073		80.420	1.00 48.41
ATOM ATOM	5068	01 01			22.162		29.165	1.00 44.50
ATOM	5069	01	HOH W		11.469		29.589	1.00 50.84
ATOM	5070	01	HOH W		23.699 45.993		46.867	1.00 46.89
ATOM	5070	01	HOH W	286	34.089		73.544 54.479	1.00 47.59
ATOM	5072	01	HOH W	287	27.009		37.488	1.00 49.25 1.00 33.68
ATOM	5072	01	HOH W	288	52.692		83.608	1.00 33.66
ATOM	5074	01	HOH W	289	31.129		28.703	1.00 42.85
ATOM	5075	01	HOH W		36.979		48.592	1.00 42.05
ATOM	5076	01		291	59.056		55.498	1.00 42.95
ATOM	5077	01	HOH W		45.058		57.915	1.00 42.33
ATOM	5078	01	HOH W		27.531		63.768	1.00 55.59
ATOM	5079	01	HOH W		15.733		20.545	1.00 55.53
ATOM	5080	01		295	21.402		51.437	1.00 51.66
ATOM	5081	01	HOH W	296	24.337		23.410	1.00 40.84
ATOM	5082	01	HOH W	297	45.597		86.607	1.00 60.74
ATOM	5083	01	HOH W	298	48.392	7.844	54.894	1.00 40.30
MOTA	5084	01	HOH W	299	10.706	-0.247	53.887	1.00 36.83
ATOM	5085	01	HOH W	300	30.841	6.772	42.114	1.00 46.90
MOTA	5086	01	HOH W	301	56.984	31.594	84.598	1.00 64.61
MOTA	5087	01	HOH W	302	23.975	0.753	21.900	1.00 58.72
ATOM	5088	01	HOH W	303	25.943	-3.970	26.011	1.00 34.27
MOTA	5089	01	HOH W		57.745	27.571	81.771	1.00 39.39
MOTA	5090	01	HOH W		8.725	13.816	46.139	1.00 62.61
ATOM	5091	01	HOH W		9.642		53.313	1.00 48.15
ATOM	5092	01	HOH W		-12.355	-6.712	32.342	1.00 40.12
ATOM	5093	01	HOH W		10.024	7.396	49.256	1.00 37.70
ATOM	5094	01	HOH W		41.071	3.104	32.909	1.00 61.81
ATOM	5095	01	HOH W	310	60.474	28.281	80.505	1.00 58.55

	20	250	71	10	c 110	010	00 0	00 00	90.00		
CRYST1	39.			. 12			90.0			1.000	17 16
ATOM	1	N	LYS		19	-12		41.491	10.114		
ATOM	2	CA	LYS		19	-12		40.464	9.085	1.000	46.31
ATOM	3	CB	LYS		19	-11		40.822	7.902	1.000	
MOTA	4	CG	LYS		19		.707	40.790	8.149	1.000	
ATOM	5	CD	LYS	Α	19		. 945	40.965	6.847	1.000	43.94
ATOM	6	CE	LYS	Α	19	-7.	. 609	41.670	7.059		39.13
ATOM	7	ΝZ	LYS	Α	19	-6	. 732	41.562		1.000	
ATOM	8	С	LYS	A	19	-11	. 602	39.144	9.702	1.000	47.15
ATOM	9	0	LYS	Α	19	-10	921	39.174	10.723	1.000	50.63
ATOM	10	N	THR	Α	20	-11	.999	38.090	9.024	1.000	38.61
MOTA	11	CA	THR	A	20	-11	.875	36.698	9.401	1.000	42.80
ATOM	12	СВ	THR		20	-13	. 310	36.133	9.502	1.000	46.49
ATOM	13	OG1	THR		20	-13	. 660	36.080	10.896	1.000	54.76
ATOM	14	CG2	THR		20		. 393	34.742	8.933	1.000	40.58
ATOM	15	C	THR		20		.069	35.879	8.414		38.96
ATOM	16	0	THR		20		606	34.774	8.695		26.83
ATOM	17	N	SER		21		.899	36.432	7.211	1.000	27.43
ATOM	18	CA	SER		21		.213	35.731	6.137	1.000	
	19	CB	SER		21		.193	34.767	5.449	1.000	
ATOM	20	OG	SER		21		.929	34.678	4.055	1.000	
ATOM							. 647	36.730	5.144	1.000	
ATOM	21	С	SER		21		. 151	37.858	5.158		39.09
ATOM	22	0	SER		21			36.373	4.325		26.63
MOTA	23	N	CYS		22		. 669		3.404		29.32
ATOM	24	CA	CYS		22		.080	37.358			
MOTA	25	CB	CYS		22		.041	38.266	4.056	1.000	29.54
MOTA	26	SG	CYS		22		.599	39.770	3.116	1.000	
ATOM	27	С	CYS		22		. 445	36.575	2.264	1.000	
ATOM	28	0	CYS		22		.219	36.546	2.161	1.000	
ATOM	29	N	PRO		23		.315	35.942	1.482		31.23
MOTA	30	CA	PRO		23		853	35.032	0.450	1.000	
ATOM	31	CB	PRO		23		.120	34.324	-0.025	1.000	32.50
MOTA	32	CG	PRO	Α	23		.228	35.253	0.317	1.000	32.13
ATOM	33	CD	PRO		23		.784	36.062	1.490	1.000	33.79
ATOM	34	С	PRO	Α	23		.229	35.869	-0.664	1.000	
ATOM	35	0	PRO	Α	23	-7	.703	36.980	-0.890	1.000	28.84
ATOM	36	N	ILE	Α	24	-6	. 205	35.309	-1.275		25.07
MOTA	37	CA	ILE	Α	24	-5	.480	35.988	-2.347		26.87
ATOM	38	CB	ILE	Α	24	-4	.118	36.521			23.03
MOTA	39	CG1	ILE	Α	24	-4	.194	37.387	-0.616	1.000	32.69
ATOM	40	CD1	ILE	Α	24	-4	.803	38.749	-0.870	1.000	36.67
ATOM	41	CG2	ILE	Α	24	-3	.411	37.301	-2.982	1.000	35.11
ATOM	42	С	ILE		24	-5	.297	35.003	-3.489	1.000	23.25
ATOM	43	0	ILE		24	-4	.816	33.891	-3.288	1.000	28.71
MOTA	44	N	LYS		25	-5	.703	35.414	-4.692	1.000	28.16
ATOM	45	CA	LYS		25		.530	34.603	-5.877	1.000	28.40
ATOM	4.6	CB	LYS		25		.067	35.296	-7.130		
ATOM	47	CG	LYS		25		.546	35.653	-7.058		
ATOM	48	CD	LYS		25		.944	36.538	-8.227		
ATOM	49	CE	LYS		25		.420	36.915	-8.158		
ATOM	50	NZ	LYS		25		.640	38.251	-7.532		
ATOM	51	C	LYS		25		.034	34.363	-6.051		
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ATOM	52	0	LYS	Α	25	-	-3.283	35.312	-5.797	1.000	35.63
ATOM	53	N	ILE	Α	26	-	-3.655	33.153	-6.449	1.000	26.51
ATOM	54	CA	ILE	Α	26	-	-2.202	32.943	-6.476	1.000	39.40
ATOM	55	СВ	ILE	Α	26	-	-1.848	31.483	-6.769	1.000	41.92
ATOM	56	CG1	ILE		26		-2.538	30.872	-7.986	1.000	55.69
ATOM	57	CD1	ILE		26		-1.953	29.527	-8.398	1.000	43.15
ATOM	58	CG2	ILE		26		-2.092	30.645	-5.505	1.000	30.44
	59	C	ILE		26		-1.545	33.891	-7.468	1.000	49.89
ATOM							-0.403	34.315	-7.258	1.000	61.92
ATOM	60	0	ILE		26				-8.535	1.000	47.63
ATOM	61	N	ASN		27		-2.257	34.261			
ATOM	62	CA	ASN		27		-1.622	35.182	-9.489	1.000	48.85
MOTA	63	CB	ASN		27		-2.409		-10.789	1.000	58.29
ATOM	64	CG	ASN		27		-3.867	35.634		1.000	64.78
ATOM	65		ASN		27		-4.735	34.952			66.47
ATOM	66	ND2	ASN	Α	27	-	-4.181	36.732		1.000	76.39
ATOM	67	С	ASN	Α	27	-	-1.419	36.560	-8.875	1.000	42.84
ATOM	68	0	ASN	Α	27	-	-0.555	37.314	-9.323		45.62
ATOM	69	N	GLN	Α	28	-	-2.197	36.926	-7.856	1.000	
MOTA	70	CA	GLN	Α	28	-	-1.986	38.188	-7.174	1.000	39.38
ATOM	71	CB	GLN	Α	28	-	-3.330	38.731	-6.666	1.000	44.68
ATOM	72	CG	GLN		28	-	-3.622	40.150	-7.123	1.000	69.70
ATOM	73	CD	GLN		28		-3.103	40.420	-8.526	1.000	86.93
ATOM	74	OE1			28		-3.225	39.566	-9.412	1.000	117.05
ATOM	75	NE2			28		-2.527	41.600	-8.735	1.000	
ATOM	76	C	GLN		28		-1.024	38.107	-5.992	1.000	38.67
ATOM	77	0	GLN		28		-0.763	39.173	-5.416	1.000	27.96
ATOM	78	N	PHE		29		-0.525	36.933	-5.609	1.000	36.04
	78 79	CA	PHE		29		0.171	36.807	-4.326	1.000	34.34
ATOM					29		0.531	35.339	-3.998	1.000	30.22
ATOM	80	CB	PHE					35.274	-2.520	1.000	26.86
ATOM	81	CG	PHE		29		0.922				29.29
ATOM	82	CD1			29	_	-0.074	35.297	-1.554		
ATOM	83	CE1	PHE		29		0.225	35.248	-0.203	1.000	
MOTA	84	CZ	PHE		29		1.560	35.208	0.168	1.000	38.22
ATOM	85	CE2	PHE		29		2.567	35.166	-0.786	1.000	38.42
ATOM	86		PHE		29		2.249	35.197	-2.134	1.000	32.07
ATOM	87	С	PHE		29		1.448	37.636	-4.193	1.000	33.30
ATOM	88	0	PHE		29		1.580	38.350	-3.187	1.000	34.15
MOTA	89	N	GLU	A	30		2.352	37.531	-5.149	1.000	41.14
ATOM	90	CA	GLU	А	30		3.603	38.271	-5.221	1.000	38.75
MOTA	91	CB	GLU	Α	30		4.200	38.126	-6.629		
ATOM	92	CG	GLU	Α	30		5.619	38.657	-6.739		
ATOM	93	CD	GLU	Α	30		6.619	37.768	-6.022		
ATOM	94	OE1	GLU	Α	30		6.912	36.658	-6.515	1.000	51.89
ATOM	95		GLU		30		7.109	38.196	-4.954	1.000	80.65
MOTA	96	С	GLU		30		3.456	39.755	-4.931	1.000	38.26
ATOM	97	0	GLU		30		4.217	40.361	-4.169		39.06
ATOM	98	N	GLY		31		2.463	40.378	-5.572		33.74
ATOM	99	CA	GLY		31		2.321	41.815	-5.409		
ATOM	100	C	GLY		31		1.552	42.106	-4.143		
	101	0	GLY		31		1.757	43.141	-3.521		
ATOM	101	N	HIS		32		0.678	41.149	-3.786		
ATOM							0.078	41.149	-2.488		
MOTA	103	CA	HIS	A	32		0.023	41.623	-2.400	1.000	JJ.4J

ATOM	104	CB	HIS	А	32	-0.863	40.102	-2.149	1.000	30.08
ATOM	105	CG	HIS	Α	32	-1.356	40.057	-0.738	1.000	25.45
ATOM	106	ND1	HIS	Α	32	-2.309	40.907	-0.234	1.000	36.70
ATOM	107	CE1	HIS	Α	32	-2.555	40.630	1.038	1.000	39.89
ATOM	108	NE2	HIS	Α	32	-1.786	39.603	1.379	1.000	36.80
ATOM	109	CD2	HIS	A	32	-1.032	39.232	0.292	1.000	26.97
ATOM	110	С	HIS	Α	32	1.101	41.431	-1.410	1.000	35.73
ATOM	111	0	HIS		32	1.007	42.277	-0.516		32.27
ATOM	112	N	PHE		33	2.090	40.543	-1.556		34.68
ATOM	113	CA	PHE		33	3.120	40.431	-0.515		32.48
ATOM	114	СВ	PHE		33	3.828	39.071	-0.591		36.84
ATOM	115	CG	PHE		33	4.751	38.835	0.595		37.98
ATOM	116	CD1	PHE		33	4.471	39.433	1.812	1.000	40.95
ATOM	117	CE1	PHE		33	5.308	39.272	2.895		43.07
ATOM	118	CZ	PHE		33	6.440	38.479	2.754	1.000	34.64
ATOM	119	CE2	PHE		33	6.724	37.866	1.554		26.60
	120	CD2	PHE		33	5.875	38.039	0.472		32.44
ATOM	121	CD2	PHE		33		41.630	-0.607		36.33
ATOM	122	0			33	4.050	42.116	0.428		41.59
ATOM						4.526				
ATOM	123	N			34	4.284	42.170	-1.802		45.92
ATOM	124	CA			34	5.094	43.397	-1.876		
ATOM	125	CB	MET	A	34	5.460	43.656	-3.336		48.61
ATOM	126	CG	MET	A	34	6.895	43.260	-3.662		40.86
ATOM	127	SD	MET	A	34	6.983	41.845	-4.774		86.63
ATOM	128	CE	MET		34	8.572	41.170	-4.254	1.000	72.85
ATOM	129	C		A	34 34	4.383	44.588	-1.259		42.23
ATOM	130	O N	MET	A A		4.968	45.443	-0.568		50.41 34.55
ATOM	131 132	N C7			35	3.065	44.686	-1.458	1.000	45.08
MOTA	133	CA CB	LYS LYS		35 35	2.351 0.889	45.788 45.809	-0.795 -1.279	1.000	48.74
ATOM	134	CG		A	35	0.793	46.296	-2.720	1.000	51.47
ATOM	135	CD	LYS		35	-0.509		-3.382		56.83
ATOM	136			A			45.889	-3.362 -4.577		55.04
ATOM ATOM	137	CE NZ	LYS		35 35	-0.788 -0.993	46.795 46.020	-5.830	1.000	61.49
ATOM	138	C		A	35		45.703	0.717	1.000	38.13
ATOM	139	0		A	35	2.417 2.575	46.713	1.419	1.000	38.53
ATOM	140	N	LEU		36	2.293	44.483	1.267	1.000	37.05
ATOM	141	CA	LEU		36	2.293	44.337	2.720	1.000	33.35
ATOM	142	CB	LEU		36	1.904	42.922	3.179	1.000	29.64
ATOM	143	CG	LEU		36	0.453	42.474		1.000	
ATOM	144	CD1			36	0.259	41.052		1.000	
ATOM	145		LEU		36	-0.516	43.409		1.000	
ATOM	146	C	LEU		36	3.641	44.718		1.000	
ATOM	147	0	LEU		36	3.664	45.268		1.000	
ATOM	148	N	GLN		37	4.713	44.426	2.591		30.34
ATOM	149	CA	GLN		37	6.073	44.682		1.000	
ATOM	150	CB	GLN		37	7.038	43.727		1.000	
ATOM	151	CG	GLN		37	7.030	42.323		1.000	
ATOM	152	CD	GLN		37 37	7.963	42.323		1.000	
ATOM	153		GLN		37 37	8.895	40.818		1.000	
ATOM	154				3 <i>1</i> 37	7.682	41.253		1.000	
ATOM	155	NE2			37	6.554	46.116		1.000	
ALON	100		GLN	п	51	0.554	40.TIO	2.010	1.000	JU. 12

ATOM	156	0	GLN	Α	37	7.585	46.535	3.366	1.000	44.71
ATOM	157	N	ALA	. A	38	5.820	46.878	2.014	1.000	51.00
ATOM	158	CA	ALA	A	38	6.214	48.252	1.734	1.000	51.95
ATOM	159	CB	ALA	A	38	5.334	48.856	0.638 1	1.000	33.90
ATOM	160	С	ALA	A	38	6.155	49.144	2.971 1	1.000	53.47
ATOM	161	0	ALA	Α	38	5.408	48.911		1.000	39.54
ATOM	162	N	ASP	Α	39	6.967	50.198		1.000	54.79
ATOM	163	CA	ASP		39	7.037	51.192		1.000	
ATOM	164	СВ	ASP		39	5.738	51.973		1.000	
ATOM	165	CG	ASP		39	5.127	52.287		1.000	53.89
ATOM	166	OD1			39	4.001	52.837		1.000	
ATOM	167		ASP		39	5.750	52.000		1.000	55.37
ATOM	168	C	ASP		39	7.401	50.477		1.000	41.78
ATOM	169	Ö	ASP		39	6.886	50.753		1.000	
ATOM	170	N	SER		40	8.339	49.547			42.20
ATOM	171	CA			40					41.63
			SER			8.819	48.736		1.000	39.11
MOTA	172	CB	SER		40	9.331	49.627		1.000	
ATOM	173	OG	SER		40	10.507	50.325		1.000	
ATOM	174	С	SER		40	7.701	47.838			33.78
ATOM	175	0	SER		40	7.500	47.791			44.33
ATOM	176	N	ASN		41	6.979	47.158			36.63
ATOM	177	CA	ASN		41	5.911	46.290			46.11
ATOM	178	CB	ASN		41	6.386	45.245		.000	39.56
ATOM	179	CG	ASN		41	7.336	44.240		000	39.34
ATOM	180		ASN		41	7.679	43.246	7.379 1	000	66.37
ATOM	181	ND2	ASN		41	7.760	44.503	5.505 1	000	47.43
ATOM	182	С	ASN		41	4.833	47.097	7.034 1	000	52.00
ATOM	183	0	ASN	Α	41	4.484	46.727	8.159 1	.000	45.88
ATOM	184	N	TYR	Α	42	4.366	48.150	6.376 1	.000	47.78
MOTA	185	CA	TYR	Α	42	3.394	49.022	7.014 1	.000	48.64
ATOM	186	CB	TYR	Α	42	3.181	50.305	6.197 1	.000	50.57
MOTA	187	CG	TYR	Α	42	2.110	51.181	6.818 1	.000	60.30
ATOM	188	CD1	TYR	Α	42	2.315	51.798	8.049 1	.000	73.71
ATOM	189	CE1	TYR	Α	42	1.345	52.597	8.619 1	.000	79.76
ATOM	190	CZ	TYR	Α	42	0.148	52.779	7.947 1	.000	83.87
MOTA	191	OH	TYR	Α	42	-0.829	53.570	8.494 1	.000	96.86
ATOM	192	CE2	TYR	Α	42	-0.084	52.176	6.728 1	.000	77.87
ATOM	193	CD2	TYR	Α	42	0.899	51.382	6.173 1	.000	69.62
ATOM	194	С	TYR	Α	42	2.080	48.272	7.202 1	.000	40.91
ATOM	195	0	TYR	Α	42	1.518	48.233	8.297 1	.000	38.94
MOTA	196	N	LEU		43	1.628	47.688	6.094 1		39.86
ATOM	197	CA	LEU	Α	43	0.324	47.037	6.065 1		38.25
ATOM	198	СВ	LEU		43	-0.240	46.976	4.648 1		34.42
ATOM	199	CG	LEU		43	-0.625	48.329	4.021 1		39.05
ATOM	200		LEU		43	-0.840	48.146	2.529 1		35.82
ATOM	201		LEU		43	-1.869	48.904			38.28
ATOM	202	C	LEU		43	0.401	45.628			40.26
ATOM	203	Ō	LEU		43	-0.571	45.204			41.80
ATOM	204	N	LEU		44	1.531	44.954	6.473 1		
ATOM	205	CA	LEU		44	1.755	43.658	7.118 1		
ATOM	206	СВ	LEU		44	3.181	43.148	6.903 1		
MOTA	207	CG	LEU		44	3.410	41.689	7.327 1		

ATOM	208	CD1	. LEU	Α	44	4.236	40.957	6.288	1.000	46.27
MOTA	209	CD2	LEU	Α	44	4.073	41.640	8.693	1.000	36.71
ATOM	210	С	LEU	Α	44	1.490	43.724	8.616	1.000	40.53
ATOM	211	0	LEU	Α	44	0.821	42.859	9.180	1.000	35.07
ATOM	212	N	SER	Α	45	2.019	44.759	9.269		
ATOM	213	CA	SER		45	1.856	44.909	10.710		
ATOM	214	СВ	SER		45	2.871	45.946	11.228		
ATOM	215	OG	SER		45	4.137	45.710	10.612		
ATOM	216	C	SER		45	0.433	45.275	11.087		
ATOM	217	Ö	SER		45	-0.131	44.758	12.058		
ATOM	218	N	LYS		46	-0.211	46.176	10.345		
ATOM	219	CA	LYS		46	-1.630		10.545		
ATOM	220		LYS				46.418			
		CB			46	-2.199	47.461	9.636		
ATOM	221	CG	LYS		46	-1.400	48.758	9.630		
ATOM	222	CD	LYS		46	-2.286	49.966	9.884	1.000	50.59
ATOM	223	CE	LYS		46	-1.915	50.631	11.197		
ATOM	224	NZ	LYS		46	-0.513	51.127	11.179		66.09
ATOM	225	C	LYS		46	-2.425	45.116	10.503		
ATOM	226	0	LYS		46	-3.340	44.917	11.304	1.000	42.72
MOTA	227	N	GLU		47	-2.082	44.251	9.555	1.000	27.42
ATOM	228	CA	GLU	Α	47	-2.810	43.006	9.332	1.000	33.85
ATOM	229	CB	GLU	Α	47	-2.437	42.314	8.018	1.000	35.99
ATOM	230	CG	GLU	Α	47	-3.311	41.079	7.802	1.000	36.26
ATOM	231	CD	GLU	Α	47	-3.301	40.603	6.369	1.000	33.51
ATOM	232	OE1	GLU	Α	47	-4.136	41.068	5.559	1.000	34.52
MOTA	233	OE2	GLU	Α	47	-2.433	39.753	6.076	1.000	31.53
ATOM	234	С	GLU	Α	47	-2.560	41.985	10.443	1.000	30.28
ATOM	235	0	GLU	A	47	-3.506	41.345	10.901	1.000	37.61
ATOM	236	N	TYR	Α	48	-1.298	41.883	10.836	1.000	30.47
ATOM	237	CA	TYR	A	48	-0.931	41.057		1.000	29.64
ATOM	238	CB	TYR	Α	48	0.590	41.107		1.000	34.11
ATOM	239	CG	TYR		48	1.016	40.197			31.94
ATOM	240	CD1	TYR		48	0.866	38.821	13.183		33.96
ATOM	241	CE1	TYR		48	1.231	37.938	14.175		32.68
ATOM	242	CZ	TYR		48	1.754	38.404	15.360		35.81
ATOM	243	ОН	TYR		48	2.101	37.491	16.330	1.000	39.47
ATOM	244	CE2	TYR		48	1.911	39.760	15.548	1.000	38.83
ATOM	245	CD2	TYR		48	1.542	40.648	14.540	1.000	36.26
ATOM	246	C	TYR		48	-1.712	41.530	13.202	1.000	39.70
ATOM	247	0	TYR		48	-2.201	40.748	14.015		
ATOM	248	N	GLU		49	-1.839	42.852	13.334		
ATOM	249	CA	GLU		49	-2.480	43.503	14.469		34.55
ATOM	250	CB	GLU		49	-2.460 -2.226	45.029			
ATOM	251	CG						14.435		31.26
	252		GLU		49	-0.796	45.295	14.919		41.28
ATOM		CD OE1	GLU		49	-0.707	44.824	16.368		
ATOM	253				49	0.167	44.004			
ATOM	254		GLU		49	-1.540	45.294		1.000	
ATOM	255	C	GLU		49	-3.968	43.243	14.489		
ATOM	256	0	GLU		49	-4.611	43.212	15.530		
ATOM	257	N	GLU		50	-4.527	43.054	13.298		
ATOM	258	CA	GLU		50	-5.942	42.729	13.220		
ATOM	259	CB	GLU	A	50	-6.441	42.674	11.768	1.000	34.57

ATOM	260	CG	GLU	Α	50	-	6.190	43.933	10.956		42.22
MOTA	261	CD	GLU	Α	50	-	7.128	43.945	9.750	1.000	52.34
MOTA	262	OE1	GLU	Α	50	-	8.357	43.957	9.988	1.000	46.50
MOTA	263	OE2	GLU	Α	50	_	6.639	43.930	8.604	1.000	70.90
ATOM	264	С	GLU	Α	50	_	6.238	41.369	13.861	1.000	25.23
ATOM	265	0	GLU	Α	50		7.375	41.121	14.248	1.000	30.99
ATOM	266	N	LEU		51		5.239	40.508	13.957	1.000	
ATOM	267	CA	LEU		51		5.447	39.194	14.580	1.000	21.27
ATOM	268	СВ	LEU		51		4.470	38.237	13.898	1.000	
ATOM	269	CG	LEU		51		4.752	38.015	12.411	1.000	26.33
ATOM	270	CD1	LEU		51		3.531	37.428	11.721	1.000	24.42
ATOM	271	CD2			51		5.938	37.420	12.208	1.000	28.60
ATOM	272	C	LEU		51		5.186	39.188	16.068	1.000	28.00
ATOM	273	0	LEU		51		5.315	38.171	16.742	1.000	26.46
	274	N									
ATOM			LYS		52		4.767	40.325	16.620	1.000	26.04
ATOM	275	CA	LYS		52		4.297	40.372	18.002	1.000	
ATOM	276	CB	LYS		52		3.950	41.832	18.319	1.000	30.97
ATOM	277	CG	LYS		52		3.602	42.133	19.765	1.000	36.67
ATOM	278	CD	LYS		52		2.878	43.478	19.823	1.000	47.93
ATOM	279	CE	LYS		52		3.089	44.186	21.148	1.000	54.43
ATOM	280	ΝZ	LYS		52		3.831	45.481	20.963	1.000	76.91
ATOM	281	С	LYS		52		5.281	39.803	19.009	1.000	30.56
ATOM	282	0	LYS		52		4.866	38.997	19.848	1.000	31.78
ATOM	283	N	ASP	A	53	-	6.560	40.166	18.951	1.000	22.00
ATOM	284	CA	ASP	Α	53	-	7.502	39.716	19.960	1.000	27.33
ATOM	285	CB	ASP	Α	53	-:	8.442	40.858	20.385	1.000	30.10
MOTA	286	CG	ASP	Α	53	-	7.622	42.098	20.721	1.000	47.01
ATOM	287	OD1	ASP	Α	53	-	6.798	42.004	21.657	1.000	67.96
ATOM	288	OD2	ASP	Α	53	_'	7.810	43.119	20.027	1.000	65.18
ATOM	289	С	ASP	Α	53	-8	3.370	38.541	19.536	1.000	25.20
ATOM	290	0	ASP	Α	53	- 9	9.268	38.189	20.304	1.000	25.98
ATOM	291	N	VAL	Α	54	-8	3.123	37.957	18.372	1.000	23.81
MOTA	292	CA	VAL	Α	54	-8	3.897	36.770	17.995	1.000	20.94
ATOM	293	CB	VAL	Α	54	-8	3.477	36.258	16.616	1.000	22.31
ATOM	294	CG1	VAL	Α	54	-9	9.232	34.978	16.241	1.000	29.30
ATOM	295	CG2	VAL	Α	54		3.710	37.323	15.543	1.000	21.16
ATOM	296	C	VAL	Α	54	-8	3.722	35.657	19.047	1.000	22.79
ATOM	297	0	VAL		54		7.595	35.307	19.395	1.000	24.33
ATOM	298	N	GLY		55		9.835	35.135	19.514	1.000	19.38
ATOM	299	CA	GLY		55		0.013	34.105	20.496		
ATOM	300	С	GLY		55		9.849	34.607	21.923		
ATOM	301	0	GLY		55).150	33.822	22.828		
ATOM	302	N	ARG		56		9.400	35.842	22.115		
ATOM	303	CA	ARG		56		3.976	36.366	23.416		31.63
ATOM	304	CB	ARG		56		3.162	37.661	23.262		32.19
ATOM	305	CG	ARG		56		5.762	37.493	22.699		31.76
ATOM	306	CD	ARG		56		5.957	36.532	23.528		29.57
ATOM	307	NE	ARG		56		1.544	36.431	23.220		30.87
		CZ			56						
ATOM	308 309		ARG				3.526	37.074	23.757		30.34
ATOM			ARG		56		3.681	37.983	24.710		22.02
ATOM	310		ARG		56 56		2.280	36.828	23.339		31.11
ATOM	311	С	ARG	А	56	-10	.110	36.645	24.386	T.000	21.29

ATOM 312 O ARG A 56											00 11
ATOM 314 CA ASN A 57 -12.429 36.544 24.990 1.000 21.90 ATOM 315 CB ASN A 57 -13.713 36.926 24.246 1.000 27.73 ATOM 316 CG ASN A 57 -14.041 35.852 23.214 1.000 36.94 ATOM 317 OD1 ASN A 57 -13.158 35.389 22.486 1.000 42.61 ATOM 319 C ASN A 57 -15.303 35.489 23.148 1.000 37.75 ATOM 320 O ASN A 57 -12.594 35.274 25.807 1.000 27.58 ATOM 321 N GIN A 58 -11.917 34.193 25.434 1.000 23.05 ATOM 322 CA GIN A 58 -11.917 34.193 25.434 1.000 23.11 ATOM 323 CB GIN A 58 -11.917 34.193 25.434 1.000 23.11 ATOM 324 CG GIN A 58 -11.975 31.773 25.109 1.000 24.51 ATOM 325 CD GIN A 58 -11.224 30.977 22.712 1.000 21.50 ATOM 326 CD GIN A 58 -11.224 31.206 22.055 1.000 21.51 ATOM 327 NE2 GIN A 58 -12.215 30.977 22.712 1.000 21.50 ATOM 328 C GIN A 58 -11.975 31.773 25.109 1.000 21.51 ATOM 328 C GIN A 58 -11.224 31.206 22.055 1.000 21.51 ATOM 330 N SER A 59 -11.376 32.695 27.366 1.000 21.23 ATOM 331 CA SER A 59 -11.981 31.996 28.335 1.000 19.68 ATOM 331 CA SER A 59 -11.981 31.996 28.335 1.000 19.68 ATOM 332 CB SER A 59 -11.981 31.996 28.335 1.000 19.68 ATOM 333 OG SER A 59 -11.981 31.996 28.335 1.000 21.00 ATOM 335 CB SER A 59 -11.981 31.996 28.335 1.000 21.00 ATOM 336 N CYS A 60 -9.682 30.375 30.394 1.000 23.03 ATOM 337 CA CYS A 60 -9.682 30.285 30.596 1.000 22.440 ATOM 338 CB SER A 59 -10.792 29.571 28.754 1.000 22.40 ATOM 336 N CYS A 60 -7.059 29.571 28.754 1.000 23.03 ATOM 337 CA CYS A 60 -7.068 30.243 39.893 1.000 29.03 ATOM 338 CB CYS A 60 -7.068 30.243 39.893 1.000 29.03 ATOM 339 SG CYS A 60 -7.068 30.243 39.893 1.000 29.05 ATOM 340 C CYS A 60 -8.872 29.128 30.861 1.000 22.76 ATOM 341 O CYS A 60 -8.872 29.128 30.861 1.000 22.76 ATOM 342 CB SER A 59 -10.792 29.571 28.754 1.000 22.64 ATOM 343 CA SEP A 61 -10.439 28.455 34.236 1.000 22.76 ATOM 340 CB SEP A 61 -10.439 28.455 34.236 1.000 22.76 ATOM 340 CB SEP A 61 -10.439 28.455 34.236 1.000 22.76 ATOM 340 CB SEP A 61 -10.439 28.455 34.236 1.000 22.76 ATOM 340 CB SEP A 61 -10.439 28.455 34.236 1.000 25.55 ATOM 340 CB SEP A 61 -10.439 28.455 34.236 1.000 25.55 ATOM 340 CB SEP A 61 -10.4	MOTA	312	0	ARG	A	56					
ATOM 316 CA ASN A 57	ATOM	313	N	ASN	Α	57	-11.352	36.365	24.023	1.000	19.89
ATOM 315 CB ASN A 57 -13.713 36.926 24.246 1.000 27.73 ATOM 316 CG ASN A 57 -14.041 35.852 23.214 1.000 36.94 ATOM 317 ODI ASN A 57 -13.158 35.389 22.486 1.000 42.61 ATOM 318 ND2 ASN A 57 -15.303 35.489 23.148 1.000 39.27 ATOM 319 C ASN A 57 -15.303 35.449 23.148 1.000 39.27 ATOM 320 O ASN A 57 -12.594 35.274 25.807 1.000 27.58 ATOM 321 N GLN A 58 -11.917 34.193 25.434 1.000 25.93 ATOM 322 CA GLN A 58 -11.917 34.193 25.434 1.000 25.93 ATOM 323 CB GLN A 58 -11.975 31.773 25.109 1.000 24.51 ATOM 324 CG GLN A 58 -12.758 31.911 23.809 1.000 19.93 ATOM 325 CD GLN A 58 -12.758 31.911 23.809 1.000 19.93 ATOM 326 OEI GLN A 58 -11.2245 30.977 22.712 1.000 21.00 ATOM 327 NEZ GLN A 58 -11.2245 30.977 22.712 1.000 21.01 ATOM 328 C GLN A 58 -11.245 30.977 22.712 1.000 21.03 ATOM 329 O GLN A 58 -11.245 30.977 22.712 1.000 21.23 ATOM 330 N SER A 59 -11.953 29.879 22.444 1.000 21.23 ATOM 331 CA SER A 59 -11.971 31.793 25.091 1.000 24.27 ATOM 330 N SER A 59 -11.971 31.996 28.335 1.000 19.68 ATOM 331 CA SER A 59 -11.971 31.719 29.620 1.000 20.00 ATOM 334 C SER A 59 -11.971 31.719 29.620 1.000 20.00 ATOM 335 O SER A 59 -11.971 31.719 29.620 1.000 20.00 ATOM 336 N CVS A 60 -8.872 29.178 30.861 1.000 29.01 ATOM 337 CA CYS A 60 -8.872 29.128 30.861 1.000 29.01 ATOM 338 CB CVS A 60 -8.872 29.128 30.861 1.000 21.65 ATOM 340 C CYS A 60 -7.392 29.346 30.568 1.000 23.34 ATOM 340 C CYS A 60 -7.392 29.346 30.568 1.000 20.364 ATOM 341 O CYS A 60 -7.991 28.697 32.804 1.000 22.44 ATOM 343 CA ASP A 61 -10.439 28.455 34.236 1.000 22.74 ATOM 340 C CYS A 60 -7.992 29.346 30.568 1.000 20.364 ATOM 341 O CYS A 60 -7.992 29.346 30.568 1.000 20.364 ATOM 342 N ASP A 61 -10.439 28.455 34.236 1.000 22.74 ATOM 343 CA ASP A 61 -10.439 28.455 34.236 1.000 22.74 ATOM 340 CA SER A 69 -7.392 29.346 30.568 1.000 22.34 ATOM 341 O CYS A 60 -7.392 29.346 30.568 1.000 22.34 ATOM 342 N ASP A 61 -10.439 28.455 34.236 1.000 22.74 ATOM 343 CA ASP A 61 -10.439 28.455 34.236 1.000 22.74 ATOM 346 ODI ASP A 61 -10.439 28.455 34.236 1.000 22.94 ATOM 347 ODZ ASP A 61 -10.202		314	CA	ASN	Α	57	-12.429	36.544	24.990	1.000	21.90
ATOM 316 CG ASN A 57 -14.041 35.852 23.214 1.000 36.94 ATOM 317 ODI ASN A 57 -13.158 35.389 22.486 1.000 42.61 ATOM 318 NDZ ASN A 57 -15.303 35.449 23.148 1.000 39.27 ATOM 319 C ASN A 57 -12.594 35.274 25.807 1.000 27.58 ATOM 320 O ASN A 57 -13.336 35.218 26.768 1.000 32.05 ATOM 321 N GIN A 58 -11.917 34.193 25.434 1.000 25.93 ATOM 322 CG GIN A 58 -12.213 32.925 26.103 1.000 23.11 ATOM 322 CG GIN A 58 -12.213 32.925 26.103 1.000 23.11 ATOM 324 CG GIN A 58 -12.213 32.925 26.103 1.000 23.11 ATOM 325 CD GIN A 58 -12.245 30.977 22.712 1.000 21.00 ATOM 325 CD GIN A 58 -12.245 30.977 22.712 1.000 21.00 ATOM 325 CD GIN A 58 -12.245 30.977 22.712 1.000 21.00 ATOM 326 OEI GIN A 58 -11.2945 30.977 22.712 1.000 21.00 ATOM 329 O GIN A 58 -11.396 32.695 27.366 1.000 24.27 ATOM 329 O GIN A 58 -11.396 32.695 27.366 1.000 24.27 ATOM 330 N SER A 59 -11.981 31.996 28.335 1.000 19.68 ATOM 331 CA SER A 59 -11.981 31.996 28.335 1.000 19.68 ATOM 332 CB SER A 59 -11.981 31.996 28.335 1.000 29.01 ATOM 333 OG SER A 59 -11.377 31.719 29.620 1.000 20.00 ATOM 332 CB SER A 59 -11.377 31.719 29.620 1.000 20.00 ATOM 333 CB SER A 59 -11.981 31.996 28.335 1.000 19.68 ATOM 333 OG SER A 59 -10.792 29.571 28.754 1.000 21.63 ATOM 336 N CYS A 60 -8.672 29.571 28.754 1.000 21.63 ATOM 337 CA CYS A 60 -8.672 29.571 28.754 1.000 21.63 ATOM 337 CA CYS A 60 -8.672 29.128 30.896 1.000 20.03 ATOM 337 CA CYS A 60 -8.672 29.128 30.896 1.000 20.36 ATOM 340 C CYS A 60 -7.392 29.346 30.586 1.000 20.36 ATOM 340 C CYS A 60 -7.941 28.497 32.995 1.000 20.03 ATOM 340 C CYS A 60 -7.941 28.497 32.995 1.000 20.03 ATOM 340 C CYS A 60 -7.941 28.497 32.995 1.000 20.03 ATOM 340 C CYS A 60 -7.941 28.497 32.995 1.000 20.03 ATOM 340 C CYS A 60 -7.941 28.497 32.995 1.000 20.03 ATOM 340 C CYS A 60 -7.941 28.497 32.995 1.000 20.03 ATOM 340 C C CYS A 60 -7.941 28.497 32.995 1.000 20.03 ATOM 340 C C CYS A 60 -7.941 28.497 32.995 1.000 20.03 ATOM 340 C C CYS A 60 -7.941 28.497 32.995 1.000 20.03 ATOM 340 C ASP A 61 -10.439 28.455 34.236 1.000 22.76 ATOM 340 C ASP A 61 -10.439 28.45							-13.713	36.926	24.246	1.000	27.73
ATOM 317 OD1 ASN A 57											36.94
ATOM 318 ND2 ASN A 57											
ATOM 319 C ASN A 57 -12.594 35.274 25.807 1.000 27.58 ATOM 320 O ASN A 57 -13.336 35.218 26.785 1.000 32.05 ATOM 321 N GLN A 58 -11.917 34.193 25.434 1.000 25.93 ATOM 322 CA GLN A 58 -11.917 34.193 25.434 1.000 23.11 ATOM 323 CB GLN A 58 -11.975 31.773 25.109 1.000 24.51 ATOM 324 CG GLN A 58 -12.213 32.925 26.103 1.000 23.11 ATOM 325 CD GLN A 58 -12.245 30.977 22.712 1.000 21.00 ATOM 326 OEI GLN A 58 -12.245 30.977 22.712 1.000 21.00 ATOM 326 OEI GLN A 58 -12.245 30.977 22.712 1.000 21.00 ATOM 326 OEI GLN A 58 -11.324 31.206 22.055 1.000 21.51 ATOM 327 NE2 GLN A 58 -11.324 31.206 22.055 1.000 21.51 ATOM 329 O GLN A 58 -11.396 32.695 27.366 1.000 23.30 ATOM 329 O GLN A 58 -10.242 33.132 27.462 1.000 24.27 ATOM 330 N SER A 59 -11.981 31.996 28.335 1.000 19.68 ATOM 331 CA SER A 59 -11.971 31.719 29.620 1.000 20.00 ATOM 331 CA SER A 59 -11.377 31.719 29.620 1.000 20.00 ATOM 334 C SER A 59 -12.481 31.570 30.673 1.000 29.01 ATOM 335 O SER A 59 -10.792 29.571 28.754 1.000 24.40 ATOM 336 N CYS A 60 -9.682 30.375 30.394 1.000 21.63 ATOM 337 CA CYS A 60 -9.682 30.285 30.596 1.000 21.63 ATOM 337 CA CYS A 60 -9.682 30.285 30.596 1.000 21.63 ATOM 337 CA CYS A 60 -7.392 29.316 30.596 1.000 20.36 ATOM 337 CA CYS A 60 -7.392 29.316 30.596 1.000 20.36 ATOM 340 C CYS A 60 -7.392 29.316 30.596 1.000 20.36 ATOM 340 C CYS A 60 -7.941 28.497 32.959 1.000 20.36 ATOM 340 C CYS A 60 -7.941 28.497 32.959 1.000 20.36 ATOM 341 O CYS A 60 -7.941 28.497 32.959 1.000 20.36 ATOM 343 CA ASP A 61 -10.220 28.697 32.804 1.000 22.76 ATOM 346 CB ASP A 61 -10.220 28.697 32.804 1.000 27.78 ATOM 340 CB ASP A 61 -10.220 28.697 32.804 1.000 27.78 ATOM 340 CB ASP A 61 -10.220 28.697 32.804 1.000 27.78 ATOM 340 CB ASP A 61 -10.220 28.697 32.804 1.000 27.78 ATOM 340 CB ASP A 61 -10.220 28.697 32.804 1.000 27.78 ATOM 340 CB ASP A 61 -10.220 28.697 32.804 1.000 27.78 ATOM 340 CB ASP A 61 -10.220 28.697 32.804 1.000 27.78 ATOM 340 CB ASP A 61 -10.221 28.697 32.804 1.000 27.78 ATOM 340 CB ASP A 61 -10.221 28.697 32.804 1.000 27.78 ATOM 340 CB ASP A 61 -10.221											
ATOM 320 O ASN A 57											
ATOM 321 N GLN A 58 -11.917 34.193 25.434 1.000 25.93 ATOM 322 CA GLN A 58 -12.213 32.925 26.103 1.000 23.11 ATOM 323 CB GLN A 58 -11.975 31.773 25.109 1.000 24.51 ATOM 324 CG GLN A 58 -12.758 31.911 23.809 1.000 19.93 ATOM 325 CD GLN A 58 -12.245 30.977 22.712 1.000 21.00 ATOM 326 OE1 GLN A 58 -12.245 30.977 22.712 1.000 21.00 ATOM 327 NE2 GLN A 58 -11.2953 29.879 22.484 1.000 21.23 ATOM 328 C GLN A 58 -11.396 32.695 27.366 1.000 23.30 ATOM 329 O GLN A 58 -10.242 33.132 27.462 1.000 24.27 ATOM 330 N SER A 59 -11.981 31.996 28.335 1.000 19.68 ATOM 331 CA SER A 59 -11.971 31.719 29.620 1.000 20.00 ATOM 332 CB SER A 59 -12.481 31.570 30.673 1.000 29.01 ATOM 333 OG SER A 59 -10.792 29.571 28.754 1.000 24.40 ATOM 335 O SER A 59 -10.792 29.571 28.754 1.000 24.40 ATOM 336 N CYS A 60 -9.682 30.285 30.596 1.000 21.63 ATOM 337 CA CYS A 60 -8.872 29.128 30.861 1.000 19.92 ATOM 338 CB CYS A 60 -7.392 29.346 30.596 1.000 21.63 ATOM 330 CC SER A 60 -7.068 30.023 28.934 1.000 21.45 ATOM 340 C CYS A 60 -7.068 30.023 28.934 1.000 21.45 ATOM 341 O CYS A 60 -7.068 30.023 28.934 1.000 22.04 ATOM 340 C CYS A 60 -7.068 30.023 28.934 1.000 22.34 ATOM 341 O CYS A 60 -7.068 30.023 28.934 1.000 23.64 ATOM 342 N ASP A 61 -10.439 28.455 34.236 1.000 22.24 ATOM 343 CA ASP A 61 -10.439 28.455 34.236 1.000 22.24 ATOM 344 CB ASP A 61 -10.439 28.455 34.236 1.000 22.76 ATOM 345 CG ASP A 61 -10.439 28.455 34.236 1.000 22.76 ATOM 346 OD1 ASP A 61 -10.439 28.455 34.236 1.000 22.76 ATOM 347 OD2 ASP A 61 -10.439 28.455 34.236 1.000 25.51 ATOM 348 C ASP A 61 -10.220 28.607 32.804 1.000 25.51 ATOM 350 N ILE A 62 -10.221 26.6052 33.792 1.000 24.54 ATOM 351 CA ILE A 62 -10.221 26.6052 33.792 1.000 24.54 ATOM 350 N ILE A 62 -10.221 26.6052 33.792 1.000 25.51 ATOM 350 N ILE A 62 -10.221 26.6052 33.214 1.000 27.70 ATOM 351 CA ILE A 62 -10.221 26.6052 33.214 1.000 27.70 ATOM 352 CB ILE A 62 -7.792 24.134 35.422 1.000 25.51 ATOM 357 CA ILE A 62 -7.792 24.134 35.422 1.000 25.51 ATOM 358 N ALA A 63 -7.566 25.123 33.412 1.000 19.70 ATOM 360 CB ALA A 63 -5.604											
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ATOM 324 CG GLN A 58 -11.975 31.773 25.109 1.000 24.51 ATOM 325 CD GLN A 58 -12.975 31.911 23.809 1.000 19.93 ATOM 326 OE1 GLN A 58 -12.245 30.977 22.712 1.000 21.00 ATOM 327 NE2 GLN A 58 -12.245 30.977 22.732 1.000 21.00 ATOM 328 C GLN A 58 -12.953 29.879 22.484 1.000 21.23 ATOM 329 O GLN A 58 -11.396 32.695 27.366 1.000 23.30 ATOM 330 N SER A 59 -11.981 31.996 28.335 1.000 19.68 ATOM 331 CA SER A 59 -11.971 31.719 29.620 1.000 20.00 ATOM 332 CB SER A 59 -11.971 31.719 29.620 1.000 20.00 ATOM 333 OG SER A 59 -13.222 30.375 30.394 1.000 29.01 ATOM 333 OG SER A 59 -13.222 30.375 30.394 1.000 29.01 ATOM 335 O SER A 59 -10.792 29.571 28.754 1.000 24.40 ATOM 336 N CYS A 60 -9.682 30.285 30.596 1.000 24.40 ATOM 337 CA CYS A 60 -9.682 30.285 30.596 1.000 29.93 ATOM 338 CB CYS A 60 -9.682 30.285 30.596 1.000 29.93 ATOM 339 SG CYS A 60 -7.392 29.346 30.568 1.000 29.33 ATOM 340 C CYS A 60 -7.392 29.346 30.568 1.000 29.33 ATOM 340 C CYS A 60 -7.968 30.023 28.934 1.000 21.45 ATOM 341 O C CYS A 60 -7.968 30.023 28.934 1.000 21.45 ATOM 342 N ASP A 61 -10.220 28.697 32.804 1.000 22.24 ATOM 343 CA ASP A 61 -10.220 28.697 32.804 1.000 22.76 ATOM 344 CB ASP A 61 -10.439 28.455 34.236 1.000 22.76 ATOM 345 CG ASP A 61 -10.439 28.455 34.236 1.000 22.76 ATOM 346 ODI ASP A 61 -10.439 28.455 34.236 1.000 22.76 ATOM 347 ODZ ASP A 61 -10.439 28.455 34.236 1.000 22.76 ATOM 348 C ASP A 61 -10.439 28.455 34.236 1.000 22.76 ATOM 349 O ASP A 61 -10.439 28.455 34.236 1.000 22.76 ATOM 340 C CYS A 60 -9.962 27.065 34.4545 1.000 25.55 ATOM 350 N ILE A 62 -9.903 22.258 33.624 1.000 27.73 ATOM 350 CR ILE A 62 -10.325 23.659 33.214 1.000 21.34 ATOM 350 N ILE A 62 -9.903 22.258 33.624 1.000 27.73 ATOM 350 CR ILE A 62 -10.325 23.659 33.214 1.000 21.34 ATOM 350 CR ILE A 62 -10.325 23.659 33.214 1.000 21.34 ATOM 350 CR ILE A 62 -10.325 23.659 33.214 1.000 21.34 ATOM 350 CR ILE A 62 -7.792 24.134 35.422 1.000 26.65 ATOM 355 CG ILE A 62 -7.792 24.134 35.422 1.000 26.65 ATOM 350 CR ILE A 62 -7.792 24.134 33.470 1.000 19.70 ATOM 360 CR ALA A 63 -5.604 25.	ATOM	322	CA	GLN	Α	58	-12.213	32.925	26.103	1.000	23.11
ATOM 325 CD GLN A 58	MOTA	323	CB	GLN	Α	58	-11.975	31.773	25.109	1.000	24.51
ATOM 325 CD GLN A 58 -12.245 30.977 22.712 1.000 21.00 ATOM 326 OE1 GLN A 58 -11.224 31.206 22.055 1.000 21.51 ATOM 327 NE2 GLN A 58 -12.953 29.879 22.484 1.000 21.23 ATOM 328 C GLN A 58 -12.953 29.879 22.484 1.000 21.23 ATOM 329 O GLN A 58 -10.242 33.132 27.462 1.000 24.27 ATOM 330 N SER A 59 -11.981 31.996 28.335 1.000 12.00 ATOM 331 CA SER A 59 -11.377 31.719 29.620 1.000 20.00 ATOM 333 OG SER A 59 -12.481 31.570 30.673 1.000 29.01 ATOM 333 OG SER A 59 -12.481 31.570 30.673 1.000 29.01 ATOM 333 OG SER A 59 -12.481 31.570 30.673 1.000 29.01 ATOM 333 OG SER A 59 -10.792 29.571 28.754 1.000 24.40 ATOM 336 N CYS A 60 -9.682 30.285 30.596 1.000 24.40 ATOM 337 CA CYS A 60 -9.682 30.285 30.596 1.000 20.03 ATOM 338 CB CYS A 60 -8.872 29.128 30.861 1.000 19.92 ATOM 338 CB CYS A 60 -7.392 29.346 30.568 1.000 20.33 ATOM 339 SG CYS A 60 -7.068 30.023 28.934 1.000 23.64 ATOM 340 C CYS A 60 -7.068 30.023 28.934 1.000 23.64 ATOM 341 O CYS A 60 -7.068 30.203 28.934 1.000 23.64 ATOM 341 O CYS A 60 -7.068 30.023 28.934 1.000 20.33 ATOM 343 CA SSP A 61 -10.220 28.697 32.804 1.000 22.24 ATOM 343 CA ASP A 61 -10.220 28.697 32.804 1.000 22.26 ATOM 343 CA ASP A 61 -10.220 28.697 32.804 1.000 22.26 ATOM 343 CA ASP A 61 -10.220 28.697 32.804 1.000 22.76 ATOM 346 OD ASP A 61 -10.220 28.697 32.804 1.000 22.76 ATOM 346 OD ASP A 61 -10.220 28.697 32.804 1.000 22.76 ATOM 346 CD ASP A 61 -10.220 28.697 32.804 1.000 27.73 ATOM 346 CD ASP A 61 -10.220 28.697 32.804 1.000 27.73 ATOM 346 CD ASP A 61 -10.220 28.697 32.804 1.000 25.55 ATOM 347 OD2 ASP A 61 -10.220 28.697 32.804 1.000 27.73 ATOM 349 CD ASP A 61 -10.220 28.697 32.804 1.000 27.73 ATOM 340 CD ASP A 61 -10.439 28.455 34.236 1.000 25.55 ATOM 347 OD2 ASP A 61 -10.220 28.697 32.804 1.000 27.70 ATOM 348 CD ASP A 61 -10.220 28.697 32.804 1.000 27.70 ATOM 340 CD ASP A 61 -10.220 28.697 33.214 1.000 27.70 ATOM 340 CD ASP A 61 -10.220 28.697 33.244 1.000 27.70 ATOM 350 CD ASP A 61 -10.220 28.697 33.241 1.000 27.70 ATOM 350 CD ASP A 61 -10.220 28.697 33.242 1.000 25.55 ATOM 350 CD ASP A 61 -			CG	GLN	Α	58	-12.758	31.911	23.809	1.000	19.93
ATOM 326 OE1 GLN A 58							-12.245	30.977	22.712	1.000	21.00
ATOM 327 NE2 GLN A 58											
ATOM 328 C GLN A 58											
ATOM 329 O GLN A 58 -10.242 33.132 27.462 1.000 24.27 ATOM 330 N SER A 59 -11.981 31.996 28.335 1.000 19.68 ATOM 331 CA SER A 59 -11.377 31.719 29.620 1.000 20.00 ATOM 332 CB SER A 59 -12.481 31.570 30.673 1.000 29.01 ATOM 333 OG SER A 59 -10.565 30.423 29.617 1.000 32.69 ATOM 335 O SER A 59 -10.565 30.423 29.617 1.000 32.69 ATOM 336 N CYS A 60 -9.682 30.285 30.596 1.000 21.63 ATOM 337 CA CYS A 60 -8.872 29.571 28.754 1.000 24.40 ATOM 339 SG CYS A 60 -7.392 29.346 30.568 1.000 20.33 ATOM 339 SG CYS A 60 -7.068 30.023 28.934 1.000 21.45 ATOM 340 C CYS A 60 -7.941 28.497 32.959 1.000 20.03 ATOM 340 C CYS A 60 -7.941 28.497 32.959 1.000 20.03 ATOM 342 N ASP A 61 -10.220 28.697 32.804 1.000 22.24 ATOM 343 CA ASP A 61 -10.439 28.455 34.236 1.000 22.24 ATOM 346 CB ASP A 61 -10.439 28.455 34.236 1.000 22.276 ATOM 347 OD2 ASP A 61 -11.617 31.062 34.355 1.000 27.80 ATOM 348 C ASP A 61 -11.617 31.062 34.355 1.000 27.80 ATOM 348 C ASP A 61 -12.408 30.099 34.398 1.000 27.80 ATOM 348 C ASP A 61 -12.408 30.099 34.398 1.000 27.80 ATOM 348 C ASP A 61 -12.408 30.099 34.398 1.000 27.80 ATOM 348 C ASP A 61 -13.650 30.248 34.356 1.000 22.54 ATOM 348 C ASP A 61 -13.650 30.248 34.356 1.000 25.51 ATOM 350 N ILE A 62 -10.325 23.6698 33.291 1.000 27.33 ATOM 350 N ILE A 62 -10.325 23.659 33.214 1.000 27.33 ATOM 350 N ILE A 62 -10.325 23.659 33.214 1.000 27.33 ATOM 352 CB ILE A 62 -10.325 23.659 33.214 1.000 27.33 ATOM 352 CB ILE A 62 -10.325 23.659 33.214 1.000 27.33 ATOM 353 CG1 ILE A 62 -10.325 23.659 33.214 1.000 21.34 ATOM 355 CG2 ILE A 62 -10.325 23.659 33.214 1.000 21.34 ATOM 355 CG2 ILE A 62 -10.325 23.659 33.214 1.000 21.34 ATOM 355 CG2 ILE A 62 -10.325 23.659 33.214 1.000 21.34 ATOM 355 CG2 ILE A 62 -10.325 23.659 33.214 1.000 21.34 ATOM 350 CG1 ILE A 62 -10.325 23.659 33.214 1.000 21.34 ATOM 355 CG2 ILE A 62 -10.325 23.659 33.214 1.000 21.34 ATOM 356 C ILE A 62 -7.792 24.134 35.422 1.000 26.58 ATOM 359 CA ALA A 63 -5.549 25.916 32.285 1.000 22.66 ATOM 360 CB ALA A 63 -5.549 25.916 32.285 1.000 22.66 ATOM 360 CB ALA A 63 -5.549											
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ATOM 335 O SER A 59 -10.792 29.571 28.754 1.000 24.40 ATOM 336 N CYS A 60 -9.682 30.285 30.596 1.000 21.63 ATOM 337 CA CYS A 60 -8.872 29.128 30.861 1.000 19.92 ATOM 338 CB CYS A 60 -7.392 29.346 30.568 1.000 20.33 ATOM 340 C CYS A 60 -7.068 30.023 28.934 1.000 23.64 ATOM 341 O CYS A 60 -8.890 28.736 32.344 1.000 21.45 ATOM 342 N ASP A 61 -10.220 28.697 32.804 1.000 20.03 ATOM 343 CA ASP A 61 -10.439 28.455 34.236 1.000 22.24 ATOM 344 CB ASP A 61 -11.912 28.676 34.545 1.000 26.65 ATOM 346 ODI ASP A 61 -11.617 31.062 34.345 1.000 26.65 ATOM 347 OD2 ASP A 61 -11.617 31.062 34.345 1.000 28.50 ATOM 348 C ASP A 61 -13.650 30.248 34.356 1.000 28.50 ATOM 349 O ASP A 61 -9.962 27.065 34.629 1.000 27.73 ATOM 349 O ASP A 61 -9.962 27.065 34.629 1.000 25.51 ATOM 350 N ILE A 62 -10.221 26.052 33.792 1.000 24.65 ATOM 351 CA ILE A 62 -9.809 24.698 34.223 1.000 21.14 ATOM 353 CGI ILE A 62 -10.325 23.659 33.214 1.000 21.34 ATOM 355 CG2 ILE A 62 -10.325 23.659 33.214 1.000 22.01 ATOM 356 C ILE A 62 -9.903 22.258 33.624 1.000 31.17 ATOM 357 O ILE A 62 -12.609 23.524 34.306 1.000 33.06 ATOM 358 N ALA A 63 -5.549 25.123 33.412 1.000 19.70 ATOM 350 CB ALA A 63 -5.5604 25.864 34.733 1.000 27.00 ATOM 360 CB ALA A 63 -5.5604 25.864 34.733 1.000 27.00	ATOM	333	OG	SER	Α	59	-13.222	30.375	30.394		
ATOM 335 O SER A 59 -10.792 29.571 28.754 1.000 24.40 ATOM 336 N CYS A 60 -9.682 30.285 30.596 1.000 21.63 ATOM 337 CA CYS A 60 -8.872 29.128 30.861 1.000 19.92 ATOM 338 CB CYS A 60 -7.392 29.346 30.568 1.000 20.33 ATOM 339 SG CYS A 60 -7.392 29.346 30.586 1.000 20.33 ATOM 340 C CYS A 60 -8.980 28.736 32.344 1.000 21.45 ATOM 341 O CYS A 60 -7.941 28.497 32.959 1.000 20.03 ATOM 342 N ASP A 61 -10.220 28.697 32.804 1.000 22.24 ATOM 343 CA ASP A 61 -10.439 28.455 34.236 1.000 22.76 ATOM 345 CG ASP A 61 -11.912 28.676 34.545 1.000 26.65 ATOM 346 OD1 ASP A 61 -11.912 28.676 34.545 1.000 27.80 ATOM 347 OD2 ASP A 61 -11.617 31.062 34.345 1.000 25.45 ATOM 347 OD2 ASP A 61 -11.617 31.062 34.345 1.000 25.51 ATOM 349 O ASP A 61 -13.650 30.248 34.356 1.000 25.51 ATOM 349 O ASP A 61 -9.962 27.065 34.629 1.000 27.73 ATOM 349 O ASP A 61 -9.962 27.065 34.629 1.000 25.51 ATOM 350 N ILE A 62 -10.221 26.052 33.792 1.000 24.65 ATOM 351 CA ILE A 62 -10.221 26.052 33.792 1.000 24.65 ATOM 352 CB ILE A 62 -10.325 23.659 33.214 1.000 22.01 ATOM 353 CG1 ILE A 62 -10.325 23.659 33.214 1.000 22.01 ATOM 355 CG2 ILE A 62 -10.325 23.659 33.214 1.000 22.01 ATOM 355 CG2 ILE A 62 -10.325 23.659 33.214 1.000 22.01 ATOM 355 CG2 ILE A 62 -9.903 22.258 33.624 1.000 31.17 ATOM 356 C ILE A 62 -9.903 22.258 33.624 1.000 22.92 ATOM 357 O ILE A 62 -9.903 22.258 33.624 1.000 22.92 ATOM 357 O ILE A 62 -7.792 24.134 35.422 1.000 24.65 ATOM 358 N ALA A 63 -6.122 25.164 33.470 1.000 19.70 ATOM 350 CB ALA A 63 -5.549 25.164 33.470 1.000 19.70 ATOM 360 CB ALA A 63 -5.549 25.916 32.285 1.000 22.66 ATOM 361 C ALA A 63 -5.5604 25.864 34.733 1.000 27.00 ATOM 362 O ALA A 63 -5.5604 25.864 34.733 1.000 27.00 ATOM 362 O ALA A 63 -5.5604 25.864 34.733 1.000 27.00 ATOM 362 O ALA A 63 -5.5604 25.864 34.733 1.000 27.00 ATOM 362 O ALA A 63 -5.5604 25.864 34.733 1.000 27.00 ATOM 362 O ALA A 63 -5.5604 25.864 34.733 1.000 27.00 ATOM 362 O ALA A 63 -5.5604 25.864 34.733 1.000 27.00 ATOM 362 O ALA A 63 -5.5604 25.853 35.212 1.000 22.666 ATOM 362 O ALA A 63 -5.5604 25.864 34.7	ATOM	334	С	SER	Α	59	-10.565	30.423	29.617	1.000	32.69
ATOM 336 N CYS A 60						59	-10.792	29.571	28.754	1.000	24.40
ATOM 337 CA CYS A 60									30.596	1.000	21.63
ATOM 338 CB CYS A 60											
ATOM 349 SG CYS A 60											20.33
ATOM 340 C CYS A 60											
ATOM 341 O CYS A 60											
ATOM 342 N ASP A 61 -10.220 28.697 32.804 1.000 22.24 ATOM 343 CA ASP A 61 -10.439 28.455 34.236 1.000 22.76 ATOM 344 CB ASP A 61 -11.912 28.676 34.545 1.000 26.65 ATOM 345 CG ASP A 61 -12.408 30.099 34.398 1.000 27.80 ATOM 346 OD1 ASP A 61 -11.617 31.062 34.345 1.000 25.45 ATOM 347 OD2 ASP A 61 -13.650 30.248 34.356 1.000 28.50 ATOM 348 C ASP A 61 -9.962 27.065 34.629 1.000 27.73 ATOM 349 O ASP A 61 -9.345 26.878 35.690 1.000 25.51 ATOM 350 N ILE A 62 -10.221 26.052 33.792 1.000 24.65 ATOM 351 CA ILE A 62 -9.809 24.698 34.223 1.000 21.14 ATOM 352 CB ILE A 62 -10.325 23.659 33.214 1.000 21.34 ATOM 353 CG1 ILE A 62 -11.838 23.755 33.010 1.000 22.01 ATOM 354 CD1 ILE A 62 -12.609 23.524 34.306 1.000 33.06 ATOM 355 CG2 ILE A 62 -9.903 22.258 33.624 1.000 31.17 ATOM 356 C ILE A 62 -9.903 22.258 33.624 1.000 31.17 ATOM 358 N ALA A 63 -7.566 25.123 33.412 1.000 19.57 ATOM 359 CA ALA A 63 -7.566 25.123 33.470 1.000 19.70 ATOM 360 CB ALA A 63 -5.549 25.916 32.285 1.000 27.00 ATOM 361 C ALA A 63 -5.604 25.864 34.733 1.000 27.00 ATOM 362 O ALA A 63 -4.516 25.553 35.212 1.000 21.30											
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ATOM 344 CB ASP A 61 -11.912 28.676 34.545 1.000 26.65 ATOM 345 CG ASP A 61 -12.408 30.099 34.398 1.000 27.80 ATOM 346 OD1 ASP A 61 -11.617 31.062 34.345 1.000 25.45 ATOM 347 OD2 ASP A 61 -13.650 30.248 34.356 1.000 28.50 ATOM 348 C ASP A 61 -9.962 27.065 34.629 1.000 27.73 ATOM 349 O ASP A 61 -9.345 26.878 35.690 1.000 25.51 ATOM 350 N ILE A 62 -10.221 26.052 33.792 1.000 24.65 ATOM 351 CA ILE A 62 -9.809 24.698 34.223 1.000 21.14 ATOM 352 CB ILE A 62 -10.325 23.659 33.214 1.000 21.34 ATOM 353 CG1 ILE A 62 -11.838 23.755 33.010 1.000 22.01 ATOM 354 CD1 ILE A 62 -12.609 23.524 34.306 1.000 33.06 ATOM 355 CG2 ILE A 62 -9.903 22.258 33.624 1.000 31.17 ATOM 356 C ILE A 62 -9.903 22.258 33.624 1.000 31.17 ATOM 357 O ILE A 62 -7.792 24.134 35.422 1.000 26.58 ATOM 359 CA ALA A 63 -7.566 25.123 33.412 1.000 19.57 ATOM 360 CB ALA A 63 -6.122 25.164 33.470 1.000 19.70 ATOM 361 C ALA A 63 -5.549 25.916 32.285 1.000 27.00 ATOM 362 O ALA A 63 -4.516 25.553 35.212 1.000 21.30											
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ATOM 347 OD2 ASP A 61 -13.650 30.248 34.356 1.000 28.50 ATOM 348 C ASP A 61 -9.962 27.065 34.629 1.000 27.73 ATOM 349 O ASP A 61 -9.345 26.878 35.690 1.000 25.51 ATOM 350 N ILE A 62 -10.221 26.052 33.792 1.000 24.65 ATOM 351 CA ILE A 62 -9.809 24.698 34.223 1.000 21.14 ATOM 352 CB ILE A 62 -10.325 23.659 33.214 1.000 21.34 ATOM 353 CG1 ILE A 62 -11.838 23.755 33.010 1.000 22.01 ATOM 354 CD1 ILE A 62 -11.838 23.755 33.010 1.000 22.01 ATOM 355 CG2 ILE A 62 -12.609 23.524 34.306 1.000 33.06 ATOM 356 C ILE A 62 -9.903 22.258 33.624 1.000 31.17 ATOM 356 C ILE A 62 -8.309 24.617 34.399 1.000 22.92 ATOM 357 O ILE A 62 -7.792 24.134 35.422 1.000 26.58 ATOM 358 N ALA A 63 -7.566 25.123 33.412 1.000 19.57 ATOM 359 CA ALA A 63 -6.122 25.164 33.470 1.000 19.70 ATOM 360 CB ALA A 63 -5.604 25.864 34.733 1.000 27.00 ATOM 361 C ALA A 63 -5.604 25.864 34.733 1.000 27.00 ATOM 362 O ALA A 63 -4.516 25.553 35.212 1.000 21.30	ATOM	345	CG	ASP	Α	61	-12.408	30.099	34.398	1.000	
ATOM 348 C ASP A 61 -9.962 27.065 34.629 1.000 27.73 ATOM 349 O ASP A 61 -9.345 26.878 35.690 1.000 25.51 ATOM 350 N ILE A 62 -10.221 26.052 33.792 1.000 24.65 ATOM 351 CA ILE A 62 -9.809 24.698 34.223 1.000 21.14 ATOM 352 CB ILE A 62 -10.325 23.659 33.214 1.000 21.34 ATOM 353 CG1 ILE A 62 -11.838 23.755 33.010 1.000 22.01 ATOM 354 CD1 ILE A 62 -12.609 23.524 34.306 1.000 33.06 ATOM 355 CG2 ILE A 62 -9.903 22.258 33.624 1.000 31.17 ATOM 356 C ILE A 62 -9.903 22.258 33.624 1.000 31.17 ATOM 357 O ILE A 62 -8.309 24.617 34.399 1.000 22.92 ATOM 358 N ALA A 63 -7.566 25.123 33.412 1.000 26.58 ATOM 359 CA ALA A 63 -6.122 25.164 33.470 1.000 19.57 ATOM 360 CB ALA A 63 -6.122 25.164 33.470 1.000 19.70 ATOM 361 C ALA A 63 -5.604 25.864 34.733 1.000 27.00 ATOM 362 O ALA A 63 -4.516 25.553 35.212 1.000 21.30	ATOM	346	OD1	ASP	Α	61	-11.617	31.062	34.345	1.000	25.45
ATOM 349 O ASP A 61 -9.345 26.878 35.690 1.000 25.51 ATOM 350 N ILE A 62 -10.221 26.052 33.792 1.000 24.65 ATOM 351 CA ILE A 62 -9.809 24.698 34.223 1.000 21.14 ATOM 352 CB ILE A 62 -10.325 23.659 33.214 1.000 21.34 ATOM 353 CG1 ILE A 62 -11.838 23.755 33.010 1.000 22.01 ATOM 354 CD1 ILE A 62 -12.609 23.524 34.306 1.000 33.06 ATOM 355 CG2 ILE A 62 -9.903 22.258 33.624 1.000 31.17 ATOM 356 C ILE A 62 -9.903 22.258 33.624 1.000 31.17 ATOM 357 O ILE A 62 -8.309 24.617 34.399 1.000 22.92 ATOM 358 N ALA A 63 -7.566 25.123 33.412 1.000 26.58 ATOM 359 CA ALA A 63 -7.566 25.123 33.412 1.000 19.57 ATOM 360 CB ALA A 63 -6.122 25.164 33.470 1.000 19.70 ATOM 361 C ALA A 63 -5.604 25.864 34.733 1.000 27.00 ATOM 362 O ALA A 63 -4.516 25.553 35.212 1.000 21.30	ATOM	347	OD2	ASP	Α	61	-13.650	30.248	34.356	1.000	28.50
ATOM 349 O ASP A 61 -9.345 26.878 35.690 1.000 25.51 ATOM 350 N ILE A 62 -10.221 26.052 33.792 1.000 24.65 ATOM 351 CA ILE A 62 -9.809 24.698 34.223 1.000 21.14 ATOM 352 CB ILE A 62 -10.325 23.659 33.214 1.000 21.34 ATOM 353 CG1 ILE A 62 -11.838 23.755 33.010 1.000 22.01 ATOM 354 CD1 ILE A 62 -12.609 23.524 34.306 1.000 33.06 ATOM 355 CG2 ILE A 62 -9.903 22.258 33.624 1.000 31.17 ATOM 356 C ILE A 62 -9.903 22.258 33.624 1.000 31.17 ATOM 357 O ILE A 62 -8.309 24.617 34.399 1.000 22.92 ATOM 358 N ALA A 63 -7.566 25.123 33.412 1.000 26.58 ATOM 359 CA ALA A 63 -7.566 25.123 33.412 1.000 19.57 ATOM 360 CB ALA A 63 -6.122 25.164 33.470 1.000 19.70 ATOM 361 C ALA A 63 -5.604 25.864 34.733 1.000 27.00 ATOM 362 O ALA A 63 -4.516 25.553 35.212 1.000 21.30	ATOM	348	С	ASP	Α	61	-9.962	27.065	34.629	1.000	27.73
ATOM 350 N ILE A 62 -10.221 26.052 33.792 1.000 24.65 ATOM 351 CA ILE A 62 -9.809 24.698 34.223 1.000 21.14 ATOM 352 CB ILE A 62 -10.325 23.659 33.214 1.000 21.34 ATOM 353 CG1 ILE A 62 -11.838 23.755 33.010 1.000 22.01 ATOM 354 CD1 ILE A 62 -12.609 23.524 34.306 1.000 33.06 ATOM 355 CG2 ILE A 62 -9.903 22.258 33.624 1.000 31.17 ATOM 356 C ILE A 62 -8.309 24.617 34.399 1.000 22.92 ATOM 357 O ILE A 62 -7.792 24.134 35.422 1.000 26.58 ATOM 358 N ALA A 63 -7.566 25.123 33.412 1.000 19.57 ATOM 359 CA ALA A 63 -6.122 25.164 33.470 1.000 19.70 ATOM 360 CB ALA A 63 -5.604 25.864 34.733 1.000 27.00 ATOM 362 O ALA A 63 -4.516 25.553 35.212 1.000 21.30		349	0	ASP	Α	61	-9.345	26.878	35.690	1.000	25.51
ATOM 351 CA ILE A 62 -9.809 24.698 34.223 1.000 21.14 ATOM 352 CB ILE A 62 -10.325 23.659 33.214 1.000 21.34 ATOM 353 CG1 ILE A 62 -11.838 23.755 33.010 1.000 22.01 ATOM 354 CD1 ILE A 62 -12.609 23.524 34.306 1.000 33.06 ATOM 355 CG2 ILE A 62 -9.903 22.258 33.624 1.000 31.17 ATOM 356 C ILE A 62 -8.309 24.617 34.399 1.000 22.92 ATOM 357 O ILE A 62 -7.792 24.134 35.422 1.000 26.58 ATOM 358 N ALA A 63 -7.566 25.123 33.412 1.000 19.57 ATOM 359 CA ALA A 63 -6.122 25.164 33.470 1.000 19.70 ATOM 360 CB ALA A 63 -5.604 25.864 34.733 1.000 27.00 ATOM 362 O ALA A 63 -4.516 25.553 35.212 1.000 21.30			N				-10.221	26.052	33.792	1.000	24.65
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ATOM 362 O ALA A 63 -4.516 25.553 35.212 1.000 21.30	ATOM	361	С	ALA	Α	63	-5.604				
			0	ALA	A	63	-4.516	25.553			
	MOTA	363	N	LEU	A	64	-6.404	26.799	35.235	1.000	23.07

ATOM	364	CA	LEU		64	-6.027	27.582		1.000	24.35
MOTA	365	CB	LEU	Α	64	-6.749	28.929	36.297	1.000	23.45
ATOM	366	CG	LEU	Α	64	-6.102	29.880	35.306	1.000	23.45
ATOM	367	CD1	LEU	Α	64	-6.952	31.144	35.230	1.000	26.55
ATOM	368	CD2	LEU	Α	64	-4.677	30.179	35.723	1.000	24.94
ATOM	369	С	LEU	A	64	-6.381	26.919	37.713	1.000	31.23
ATOM	370	0	LEU	Α	64	-6.097	27.521	38.750	1.000	30.60
ATOM	371	N	LEU	A	65	-6.982	25.733	37.690	1.000	25.47
ATOM	372	CA	LEU		65	-7.306	25.047	38.937	1.000	27.75
ATOM	373	СВ	LEU		65	-8.162	23.817		1.000	29.69
ATOM	374	CG	LEU		65	-9.587	24.168			29.27
ATOM	375	CD1	LEU		65	-10.317	22.915		1.000	22.91
ATOM	376	CD2	LEU		65	-10.326	24.875			
ATOM	377	C	LEU		65	-6.045	24.666		1.000	32.88
ATOM	378	0	LEU		65	-5.049	24.000			35.70
ATOM	379	N	PRO		66	-6.075	24.217			
ATOM	380	CA	PRO		66				1.000	36.18
						-4.904	24.635		1.000	36.18
ATOM	381	CB	PRO		66	-5.488	24.754		1.000	47.92
ATOM	382	CG	PRO		66	-6.648	25.684		1.000	42.33
ATOM	383	CD	PRO		66	-7.235	25.378		1.000	30.77
ATOM	384	С	PRO		66	-4.302	23.248		1.000	26.18
ATOM	385	0	PRO		66	-3.084	23.122		1.000	37.38
ATOM	386	N	GLU		67	-5.151	22.242		1.000	33.07
MOTA	387	CA	GLU		67	-4.828	20.867		1.000	38.66
MOTA	388	CB	GLU		67	-6.138	20.071	41.150	1.000	40.47
ATOM	389	CG	GLU	Α	67	-7.142	20.605	40.154	1.000	58.25
ATOM	390	CD	GLU	Α	67	-8.530	20.002	40.228	1.000	70.71
ATOM	391	OE1	GLU	Α	67	-8.874	19.134	39.390	1.000	47.20
ATOM	392	OE2	GLU	Α	67	-9.311	20.406	41.123	1.000	81.59
MOTA	393	С	GLU	A	67	-4.033	20.762	39.946	1.000	40.21
ATOM	394	0	GLU	Α	67	-3.232	19.837	39.768	1.000	33.36
ATOM	395	N	ASN	A	68	-4.202	21.695	39.001	1.000	27.60
ATOM	396	CA	ASN	Α	68	-3.494	21.553	37.729	1.000	27.03
ATOM	397	СВ	ASN	Α	68	-4.471	21.891		1.000	25.75
ATOM	398	CG	ASN	Α	68	-5.638	20.924			27.63
ATOM	399	OD1	ASN	Α	68	-5.417	19.725			27.03
ATOM	400	ND2	ASN	А	68	-6.837	21.424			20.87
ATOM	401	С	ASN		68	-2.244	22.400			29.26
ATOM	402	0	ASN		68	-1.561	22.322			32.09
ATOM	403	N	ARG		69	-1.877	23.230	38.550		
ATOM	404	CA	ARG		69	-0.765	24.169	38.333		
ATOM	405	СВ	ARG		69	-0.581	25.036		1.000	
ATOM	406	CG	ARG		69	0.072	26.376		1.000	
ATOM	407	CD	ARG		69	-0.117	27.331		1.000	
ATOM	408	NE	ARG		69	-1.481	27.331			
ATOM	409	CZ	ARG		69	-1.832				61.46
	410		ARG				27.284		1.000	
ATOM					69	-3.113	27.336	42.599		
ATOM	411		ARG		69	-0.920	27.136	43.202		
ATOM	412	C	ARG		69	0.541	23.491	37.948		
ATOM	413	0	ARG		69	1.225	23.924	37.009 1		
ATOM	414	N	GLY		70	0.895	22.385	38.603 1		
ATOM	415	CA	GLY	A	70	2.103	21.679	38.203 1	1.000	25.00

ATOM	416	С	GLY	А	70	2.044	21.041	36.822	1.000	24.89
ATOM	417	0	GLY	Α	70	3.083	20.564	36.376	1.000	31.72
ATOM	418	N	LYS	Α	71	0.903	21.014	36.147	1.000	27.08
ATOM	419	CA	LYS	Α	71	0.763	20.318	34.866	1.000	24.21
MOTA	420	CB	LYS	A	71	-0.653	19.731	34.781	1.000	21.70
ATOM	421	CG	LYS	Α	71	-0.943	18.621	35.788	1.000	25.95
ATOM	422	CD		Α	71	-2.404	18.202	35.750	1.000	27.35
ATOM	423	CE		Α	71	-2.743	17.164	36.834	1.000	26.32
ATOM	424	NZ	LYS	Α	71	-4.227	17.045	36.994	1.000	29.99
ATOM	425	С	LYS		71	1.003	21.230	33.678	1.000	26.31
ATOM	426	0	LYS		71	0.999	20.826	32.508	1.000	21.01
MOTA	427	N	ASN		72	1.209	22.517	33.974	1.000	24.08
ATOM	428	CA	ASN		72	1.520	23.503	32.951	1.000	24.06
ATOM	429	СВ	ASN		72	0.700	24.782	33.236		23.98
ATOM	430	CG	ASN		72	-0.782	24.508	33.170	1.000	24.00
ATOM	431		ASN		72	-1.229	23.905	32.180	1.000	27.29
ATOM	432		ASN		72	-1.564	24.932	34.139	1.000	21.52
ATOM	433	C	ASN		72	2.999	23.855	32.902		24.14
ATOM	434	0	ASN		72	3.539	24.242	33.952		32.17
ATOM	435	N	ARG		73	3.669	23.767	31.763	1.000	18.37
ATOM	436	CA	ARG		73	5.068	24.153	31.624	1.000	20.26
ATOM	437	CB	ARG		73	5.606	23.824	30.236	1.000	27.07
ATOM	438	CG	ARG		73	7.082	24.137	30.020	1.000	24.27
ATOM	439	CD	ARG		73	7.645	23.603	28.712	1.000	
ATOM	440	NE	ARG		73	7.794	22.144	28.739	1.000	23.84
ATOM	441	CZ	ARG		73	8.809	21.516	29.321	1.000	33.27
ATOM	442		ARG		73	9.757	22.240	29.913	1.000	21.92
ATOM	443		ARG		73	8.909	20.191	29.335	1.000	23.01
ATOM	444	C	ARG		73	5.231	25.648	31.916	1.000	30.65
ATOM	445	0	ARG		73	6.184	26.110	32.549	1.000	32.85
ATOM	445	N	TYR		74	4.279	26.440	31.452	1.000	
	447	CA	TYR		74	4.329	27.903	31.619	1.000	
MOTA	448	CB	TYR		74	4.778	28.577	30.343	1.000	
ATOM ATOM	449	CG	TYR		74	6.008	28.085	29.620		40.81
	450	CD1	TYR		74	7.302	28.339	30.080	1.000	42.06
ATOM		CE1	TYR		74	8.424	27.881	29.404	1.000	30.31
ATOM	451 452	CZ	TYR		74	8.304	27.155	28.238	1.000	36.98
ATOM	453	OH	TYR		74	9.426	26.707	27.567	1.000	31.11
ATOM			TYR		74	7.038	26.881	27.739	1.000	33.48
ATOM	454	CE2				5.932	27.349	28.434		32.64
ATOM	455	CD2	TYR		74		28.320	32.074		
ATOM	456	C	TYR		74	2.932	28.127	31.311		
ATOM	457	0	TYR		74	1.980	28.838	33.293		
ATOM	458	N	ASN		75 75	2.831		33.233		
ATOM	459	CA	ASN		75	1.587	29.142	35.396		
MOTA	460	CB	ASN		75 75	1.844	29.654			
ATOM	461	CG	ASN		75 75	2.541	28.595	36.230		
ATOM	462		ASN		75 75	2.639	27.427	35.838	1.000	
ATOM	463		ASN		75 75	3.009	29.045	37.388	1.000	
ATOM	464	C	ASN		75	0.752	30.193	33.247	1.000	
ATOM	465	0	ASN		75	-0.423	30.394	33.561	1.000	
ATOM	466	N	ASN		76	1.348	30.876	32.289		18.49
MOTA	467	CA	ASN	A	76	0.562	31.826	31.510	1.000	26.54

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ATOM	468	CB	ASN		76	1.244	33.195	31.432		
ATOM	469	CG	ASN		76	2.628	33.130	30.821		
ATOM	470	OD1	ASN	Α	76	3.295	32.100	30.926		
ATOM	471	ND2	ASN	A	76	3.131	34.186	30.182		
ATOM	472	С	ASN	Α	76	0.331	31.297	30.101		
ATOM	473	0	ASN	Α	76	-0.145	32.065	29.263	1.000	24.80
ATOM	474	N	ILE	Α	77	0.659	30.023	29.813	1.000	21.21
ATOM	475	CA	ILE	Α	77	0.313	29.527	28.477		20.79
ATOM	476	CB	ILE		77	1.534	29.187	27.632	1.000	25.15
ATOM	477	CG1	ILE		77	2.596	30.315	27.595	1.000	31.48
ATOM	478	CD1	ILE		77	2.862	30.817	26.195	1.000	49.78
ATOM	479	CG2	ILE		77	1.116	28.793	26.229	1.000	
ATOM	480	C	ILE		77	-0.604	28.313	28.648	1.000	
ATOM	481	0	ILE		77	-0.121	27.210	28.877		24.16
ATOM	482	N	LEU		78	-1.899	28.584	28.583	1.000	
	483	CA	LEU		78	-2.931	27.667			19.58
ATOM					78	-3.621	28.170	30.307		18.02
ATOM	484	CB	LEU			-2.711	28.581	31.476	1.000	
ATOM	485	CG	LEU		78					18.50
ATOM	486	CD1			78	-3.510	29.136	32.647		
ATOM	487		LEU		78	-1.854	27.424	31.993		
ATOM	488	С	LEU		78	-3.946	27.471	27.912		18.12
ATOM	489	0	LEU		78	-4.186	28.398	27.142		19.00
MOTA	490	N	PRO		79	-4.511	26.269	27.863		18.26
ATOM	491	CA	PRO		79	-5.546	26.003	26.858		16.50
ATOM	492	CB	PRO	A	79	-5.707	24.485	26.984		
MOTA	493	CG	PRO	Α	79	-5.462	24.228	28.452		13.29
MOTA	494	CD	PRO	Α	79	-4.246	25.103	28.705		14.71
MOTA	495	С	PRO	A	79	-6.844	26.703	27.235	1.000	
MOTA	496	0	PRO	Α	79	-7.176	26.850	28.420	1.000	
MOTA	497	N	TYR	Α	80	-7.613	27.139	26.237	1.000	15.99
ATOM	498	CA	TYR	Α	80	-8.958	27.654	26.481		17.04
MOTA	499	CB	TYR	Α	80	-9.454	28.253	25.165	1.000	16.02
ATOM	500	CG	TYR		80	-8.756	29.502	24.697	1.000	17.83
MOTA	501	CD1	TYR		80	-8.514	30.562	25.574	1.000	17.44
ATOM	502	CE1	TYR		80	-7.879	31.711	25.143	1.000	18.38
ATOM	503	CZ	TYR		80	-7.474	31.828	23.837		17.97
ATOM	504	ОН	TYR		80	-6.845	32.976	23.415	1.000	20.65
MOTA	505	CE2	TYR		80	-7.700	30.802	22.930		19.84
ATOM	506	CD2			80	-8.338	29.655	23.381		17.33
ATOM	507	C	TYR		80	-9.884	26.547	26.977		
	508	0	TYR		80	-9.791	25.404	26.525		
ATOM	509	N	ASP		81	-10.785	26.816	27.908		
ATOM						-11.772	25.824	28.336		
ATOM	510	CA	ASP		81	-12.734	26.485	29.337		
ATOM	511	CB	ASP		81			30.626		
ATOM	512	CG	ASP		81	-12.050	26.883			
MOTA	513		ASP		81	-11.107	26.212	31.082		
ATOM	514		ASP		81	-12.437	27.911	31.225		
MOTA	515	С	ASP		81	-12.539	25.250	27.153		
ATOM	516	0	ASP		81	-12.771	24.029	27.079		
ATOM	517	N	ALA		82	-12.910	26.116	26.218		
ATOM	518	CA	ALA		82	-13.787	25.780	25.106		
ATOM	519	CB	ALA	A	82	-14.147	27.041	24.318	1.000	21.73

ATOM	520	С	ALA	Α	82	-13.218	24.780	24.117	1.000	24.48
MOTA	521	0	ALA	Α	82	-14.017	24.152	23.409	1.000	24.01
ATOM	522	N	THR	Α	83	-11.910	24.613	24.002	1.000	19.51
ATOM	523	CA	THR	Α	83	-11.324	23.717	22.995	1.000	17.80
ATOM	524	CB	THR	Α	83	-10.631	24.588	21.940	1.000	16.46
ATOM	525	OG1	THR	Α	83	-9.691	25.412	22.665	1.000	18.46
ATOM	526	CG2	THR		83	-11.616	25.512	21.246	1.000	23.15
ATOM	527	С	THR		83	-10.302	22.753	23.586		
ATOM	528	0	THR		83	-9.519	22.101	22.875	1.000	
ATOM	529	N	ARG		84	-10.239	22.638	24.919	1.000	15.87
ATOM	530	CA	ARG		84	-9.214	21.790	25.521		13.38
ATOM	531	СВ	ARG		84	-9.125	22.053	27.033		17.35
ATOM	532	CG	ARG		84	-10.272	21.451	27.842		15.57
ATOM	533	CD	ARG		84	-10.161	21.906	29.303		23.22
ATOM	534	NE	ARG		84	-11.142	21.257	30.168		23.41
	535	CZ	ARG		84	-10.962	20.204	30.100		20.47
ATOM	536	NH1	ARG		84	-9.809	19.561	31.054		19.35
ATOM										
ATOM	537		ARG		84	-11.994	19.773	31.664		22.12
ATOM	538	С	ARG		84	-9.470	20.299	25.308		18.88
ATOM	539	0	ARG		84	-10.635	19.874	25.268		22.06
MOTA	540	N	VAL		85	-8.375	19.551	25.196	1.000	16.89
ATOM	541	CA	VAL		85	-8.423	18.097	25.114	1.000	16.58
MOTA	542	СВ	VAL		85	-7.184	17.483	24.455		
MOTA	543	CG1	VAL		85	-7.356	15.966	24.274		23.40
MOTA	544	CG2	VAL		85	-6.893	18.086	23.091		17.65
MOTA	545	С	VAL		85	-8.595	17.535	26.523		19.64
ATOM	546	0	VAL		85	-7.844	17.914	27.424		19.96
MOTA	547	N	LYS		86	-9.550	16.650	26.756		17.33
MOTA	548	CA	LYS	A	86	-9.719	16.095	28.096		23.43
ATOM	549	CB	LYS	A	86	-11.191	16.082	28.526		27.56
MOTA	550	CG	LYS	Α	86	-11.884	17.432	28.490	1.000	32.74
MOTA	551	CD	LYS	Α	86	-13.319	17.288	28.987	1.000	42.78
ATOM	552	CE	LYS	Α	86	-14.275	18.120	28.145	1.000	53.05
ATOM	553	NZ	LYS	Α	86	-14.205	19.569	28.476	1.000	47.90
MOTA	554	С	LYS	Α	86	-9.213	14.660	28.171	1.000	23.69
MOTA	555	0	LYS	Α	86	-9.417	13.887	27.241	1.000	24.18
ATOM	556	N	LEU	Α	87	-8.580	14.294	29.273	1.000	21.05
ATOM	557	CA	LEU	Α	87	-8.225	12.906	29.504	1.000	18.28
ATOM	558	CB	LEU	Α	87	-7.106	12.861	30.540	1.000	19.01
MOTA	559	CG	LEU	Α	87	-5.824	13.608	30.146	1.000	24.48
ATOM	560	CD1	LEU	Α	87	-4.865	13.612	31.326	1.000	21.86
ATOM	561	CD2	LEU	Α	87	-5.175	12.994	28.916	1.000	21.83
ATOM	562	С	LEU	Α	87	-9.433	12.132	30.001	1.000	30.80
ATOM	563	0	LEU		87	-10.293	12.739	30.652	1.000	27.84
ATOM	564	N	SER		88	-9.561	10.832	29.745		
ATOM	565	CA	SER		88	-10.662	10.132	30.429		
ATOM	566	СВ	SER		88	-10.751	8.668	29.990		
MOTA	567	OG	SER		88	-9.581	7.992	30.416		
ATOM	568	C	SER		88	-10.554	10.163	31.955		
ATOM	569	0	SER		88	-9.497	10.278	32.577		
ATOM	570	N	ASN		89	-11.728	10.055	32.566		
ATOM	571	CA	ASN .		89	-11.976	10.144	33.991		
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ATOM	572	СВ	ASN	A	. 89	-13.369	9.595	34.329	1.000	60.50
ATOM	573	CG	ASN	A	. 89	-13.557	8.127	34.024	1.000	66.77
ATOM	574	OD1	ASN	Α	. 89	-12.606	7.351	33.952	1.000	60.44
MOTA	575	ND2	ASN	Α	. 89	-14.807	7.703	33.844	1.000	70.97
ATOM	576	С	ASN	Α	89	-10.926	9.410	34.821	1.000	65.63
ATOM	577	0	ASN	A	. 89	-10.996	9.390	36.052	1.000	72.13
ATOM	578	N	SER	A	96	-8.513	15.291	37.171	1.000	39.19
ATOM	579	CA	SER	A	96	-7.743	14.211	36.560	1.000	29.84
MOTA	580	CB	SER	A	96	-8.043	12.853	37.183	1.000	29.33
ATOM	581	OG	SER	Α	96	-9.336	12.376	36.866	1.000	31.86
MOTA	582	С	SER	Α	96	-7.971	14.200	35.049	1.000	25.03
ATOM	583	0	SER	Α	96	-7.285	13.420	34.378	1.000	30.76
ATOM	584	N	ASP	Α	97	-8.874	15.033	34.527	1.000	26.35
ATOM	585	CA	ASP	Α	97	-9.072	15.047	33.069	1.000	23.38
ATOM	586	CB	ASP	Α	97	-10.495	15.418	32.661	1.000	21.60
ATOM	587	CG	ASP	Α	97	-10.928	16.834	32.933	1.000	26.73
ATOM	588	OD1	ASP	Α	97	-10.115	17.686	33.354	1.000	26.07
ATOM	589	OD2	ASP	Α	97	-12.136	17.107	32.701	1.000	29.59
ATOM	590	С	ASP	Α	97	-8.112	16.015	32.379	1.000	28.59
MOTA	591	0	ASP	Α	97	-8.144	16.087	31.149	1.000	22.81
ATOM	592	N	TYR	A	98	-7.316	16.753	33.150	1.000	24.51
ATOM	593	CA	TYR	Α	98	-6.573	17.864	32.576	1.000	18.45
ATOM	594	CB	TYR	Α	98	-6.287	18.947	33.663	1.000	21.47
ATOM	595	CG	TYR	Α	98	-5.566	20.114	33.013	1.000	18.45
ATOM	596	CD1	TYR	Α	98	-6.288	21.015	32.223	1.000	20.80
ATOM	597	CE1	TYR	Α	98	-5.651	22.093	31.617	1.000	19.85
ATOM	598	CZ	TYR	Α	98	-4.300	22.277	31.775	1.000	20.41
ATOM	599	OH	TYR	Α	98	-3.617	23.313	31.194	1.000	18.24
ATOM	600	CE2	TYR	Α	98	-3.554	21.399	32.546	1.000	19.23
ATOM	601	CD2	TYR	Α	98	-4.206	20.342	33.147	1.000	19.12
ATOM	602	С	TYR	Α	98	-5.263	17.498	31.918	1.000	19.64
ATOM	603	0	TYR	Α	98	-4.369	16.840	32.439	1.000	20.66
ATOM	604	N	ILE	Α	99	-5.119	18.053	30.711	1.000	16.91
ATOM	605	CA	ILE	Α	99	-3.822	18.176	30.062	1.000	16.84
ATOM	606	CB	ILE	Α	99	-3.536	17.002	29.113	1.000	17.82
ATOM	607	CG1	ILE	Α	99	-2.137	16.977	28.518	1.000	15.01
ATOM	608	CD1	ILE	Α	99	-1.789	15.688	27.785	1.000	15.78
ATOM	609	CG2	ILE	Α	99	-4.615	16.953	28.023	1.000	17.57
ATOM	610	С	ILE	Α	99	-3.766	19.520	29.325	1.000	15.16
ATOM	611	0	ILE	Α	99	-4.767	20.020	28.812	1.000	17.38
ATOM	612	N	ASN	Α	100	-2.587	20.120	29.308	1.000	17.52
ATOM	613	CA	ASN	Α	100	-2.392	21.383	28.584	1.000	13.18
ATOM	614	CB	ASN	Α	100	-1.125	22.085	29.028	1.000	14.04
ATOM	615	CG	ASN	Α	100	-1.059	23.494	28.450	1.000	15.18
ATOM	616	OD1	ASN	Α	100	-1.331	23.713	27.280		
ATOM	617	ND2	ASN	Α	100	-0.702	24.455	29.274		16.16
ATOM	618	С	ASN	Α	100	-2.333	21.054	27.090		
ATOM	619	0	ASN	Α	100	-1.244	20.809	26.544		15.92
ATOM	620	N	ALA			-3.521	21.008	26.492		
ATOM	621	CA	ALA	A	101	-3.655	20.605	25.088		18.55
ATOM	622	CB	ALA			-3.556	19.090			16.55
ATOM	623	С	ALA			-4.971	21.137	24.527	1.000	

										16 10
ATOM	624	0	ALA			-5.924	21.365	25.274		
ATOM	625	N	SER	A 1	02	-5.001	21.341	23.211		
ATOM	626	CA	SER	A 1	02	-6.108	21.993	22.553	1.000	16.27
ATOM	627	CB	SER	A 1	02	-5.855	23.491	22.338	1.000	
ATOM	628	OG	SER	A 1	02	-5.352	24.131	23.503	1.000	
ATOM	629	С	SER	A 1	02	-6.356	21.367	21.169	1.000	14.55
ATOM	630	0	SER	A 1	02	-5.410	21.018	20.464	1.000	15.20
ATOM	631	N	TYR			-7.636	21.254	20.835	1.000	16.64
ATOM	632	CA	TYR			-8.048	20.802	19.512	1.000	14.77
ATOM	633	СВ	TYR			-9.467	20.239	19.531		18.66
ATOM	634	CG	TYR			-9.703	18.944	20.270		
ATOM	635	CD1	TYR			-9.140	17.745	19.852		16.61
ATOM	636	CE1	TYR			-9.358	16.546	20.528	1.000	
ATOM	637	CZ	TYR			-10.159	16.548	21.648		
ATOM	638	ОН	TYR			-10.386	15.378	22.329		
ATOM	639	CE2	TYR			-10.730	17.732	22.079		
ATOM	640	CD2	TYR			-10.517	18.922	21.410		
	641	CDZ	TYR			-7.987	21.941	18.505		
ATOM		0	TYR			-8.391	23.073	18.745		
ATOM	642					-7.482	21.618	17.316		
ATOM	643	N	ILE			-7.462 -7.360	22.569	16.229		
ATOM	644	CA	ILE			-5.872	22.884	15.979		
ATOM	645	CB	ILE				23.233	17.226		
ATOM	646	CG1	ILE.			-5.070	24.493	17.220		29.26
ATOM	647	CD1	ILE			-5.524	24.493	14.967		26.42
ATOM	648	CG2	ILE			-5.741		14.957		23.75
ATOM	649	С	ILE			-7.946	22.001 20.852	14.601		21.79
ATOM	650	0	ILE			-7.672				28.20
ATOM	651	N	PRO			-8.754	22.779	14.241 12.917	1.000	
ATOM	652	CA	PRO			-9.258	22.365	12.645	1.000	
ATOM	653	CB	PRO			-10.391	23.355	13.941		
ATOM	654	CG	PRO			-10.630	24.049	14.643		
MOTA	655	CD	PRO			-9.285	24.093	11.860		28.29
ATOM	656	C	PRO			-8.174	22.464	11.926		
MOTA	657	0	PRO			-7.183	23.199	10.798		
ATOM	658	N	GLY			-8.320	21.674	9.710		22.26
ATOM	659	CA	GLY			-7.343	21.757 21.803	8.403		28.91
ATOM	660	C	GLY			-8.127	22.118	8.467		
ATOM	661	0	GLY			-9.318			1.000	
ATOM	662	N	ASN			-7.481	21.487 21.653		1.000	
MOTA	663	CA	ASN			-8.184				
ATOM	664	CB	ASN			-7.264	21.551		1.000	
MOTA	665	CG	ASN			-6.326	22.729			
ATOM	666		ASN			-5.615	22.864		1.000	
MOTA	667		ASN			-6.328	23.567		1.000	
ATOM	668	С	ASN			-9.273	20.581		1.000	
MOTA	669	0	ASN			-10.274	20.887		1.000	
ATOM	670	N	ASN			-9.002	19.431		1.000	
MOTA	671	CA	ASN			-9.700	18.170		1.000	
ATOM	672	CB	ASN			-8.676	17.017		1.000	
ATOM	673	CG	ASN			-7.647	17.276		1.000	
ATOM	674		ASN			-7.988	17.259		1.000	
ATOM	675	ND2	ASN	A 1	80	-6.392	17.525	5.466	1.000	23.01

$\begin{tabular}{ll} Evdokimov\ et\ al. & 9045M2\\ Three\ Dimensional\ Coordinates\ of\ HPTP beta \end{tabular}$

		_			10 710	17 060	7 260	1 000	07.04
ATOM	676	С	ASN A		-10.712	17.862		1.000	
MOTA	677	0	ASN A		-11.746	17.240	7.087		
ATOM	678	N	PHE A	109	-10.515	18.262	8.614		28.68
ATOM	679	CA	PHE A		-11.601	17.986	9.569		29.14
MOTA	680	CB	PHE A		-11.727	16.503	9.837		33.67
ATOM	681	CG	PHE A	109	-10.501	15.678	10.128	1.000	32.21
ATOM	682	CD1	PHE A	109	-9.720	15.199	9.088	1.000	36.73
ATOM	683	CE1	PHE A	109	-8.604	14.419	9.325	1.000	33.86
ATOM	684	CZ	PHE A	109	-8.275	14.120	10.633	1.000	42.76
ATOM	685	CE2	PHE A	109	-9.036	14.590	11.683	1.000	37.98
ATOM	686	CD2	PHE A	109	-10.143	15.376	11.430	1.000	37.01
ATOM	687	С	PHE A		-11.450	18.785	10.856	1.000	28.59
ATOM	688	0	PHE A		-10.493	19.529	11.101	1.000	25.57
ATOM	689	N	ARG A		-12.457	18.692	11.728		29.57
ATOM	690	CA	ARG A		-12.560	19.633	12.835		29.56
ATOM	691	СВ	ARG A		-13.912	19.447	13.560		39.08
ATOM	692	CG	ARG A		-15.115	19.581	12.647		51.99
ATOM	693	CD	ARG A		-15.714	20.978	12.671	1.000	
ATOM	694	NE	ARG A		-16.438	21.295	11.439		
ATOM	695	CZ	ARG A		-17.049	22.446	11.187		59.30
ATOM	696		ARG A		-17.685	22.440	10.040		45.23
ATOM	697	NH2	ARG A		-17.033	23.413	12.100	1.000	
	698	C	ARG A		-11.462	19.550	13.898		32.92
ATOM	699	0	ARG A		-10.952	20.588		1.000	
ATOM ATOM	700	Ŋ	ARG A		-11.163	18.325	14.281	1.000	
ATOM	701	CA	ARG A		-10.152	17.978	15.275	1.000	
ATOM	701	CB	ARG A		-10.714	17.032	16.339		
	702	CG	ARG A		-11.497	17.792	17.422	1.000	
ATOM ATOM	703	CD	ARG A		-12.543	16.891	18.038	1.000	
ATOM	705	NE	ARG A		-13.133	17.383	19.283	1.000	
ATOM	706	CZ	ARG A		-13.380	16.499	20.268	1.000	
ATOM	707	NH1	ARG A		-13.087	15.209	20.117		
ATOM	708	NH2	ARG A		-13.915	16.924	21.402	1.000	
ATOM	709	C	ARG A		-8.977	17.326	14.564		
ATOM	710	0	ARG A		-8.583	16.195	14.813	1.000	
	711	N	GLU A		-8.437	18.086	13.603	1.000	
ATOM	711	CA	GLU A		-7.400	17.493	12.752		
ATOM					-7.339	18.364			
ATOM	713	CB	GLU A				11.470	1.000	
ATOM	714	CG	GLU A		-6.317	17.831	10.484		
ATOM	715	CD OF1	GLU A		-6.654	18.208		1.000	
ATOM	716		GLU A		-7.701	18.836		1.000	
ATOM	717	OE2	GLU A		-5.819	17.872		1.000	
ATOM	718	C	GLU A		-6.059	17.425	13.457		
ATOM	719	0	GLU A		-5.177	16.583	13.179		
MOTA	720	N	TYR A		-5.888	18.365	14.392		
ATOM	721	CA	TYR A		-4.660	18.455	15.170		
MOTA	722	CB	TYR A		-3.783	19.667	14.843		
ATOM	723	CG	TYR A		-3.500	19.908	13.376		
MOTA	724	CD1	TYR A		-2.393	19.395	12.721		
ATOM	725	CE1	TYR A		-2.151	19.630	11.364		
ATOM	726	CZ	TYR A		-3.049	20.406	10.658		
ATOM	727	ОН	TYR A	113	-2.860	20.666	9.306	1.000	17.72

ATOM	728	CE2	TYR	Α	113	-4.162	20.925	11.293	1.000	20.77
ATOM	729	CD2	TYR	Α	113	-4.392	20.683	12.633	1.000	15.75
ATOM	730	С	TYR	Α	113	-4.980	18.563	16.668	1.000	15.81
ATOM	731	0	TYR	Α	113	-5.993	19.136	17.046	1.000	16.02
ATOM	732	N	ILE	Α	114	-4.051	18.047	17.461	1.000	12.86
ATOM	733	CA	ILE	Α	114	-4.004	18.364	18.882	1.000	12.93
MOTA	734	CB	ILE	Α	114	-4.060	17.088	19.740	1.000	17.81
ATOM	735	CG1	ILE	Α	114	-5.461	16.478	19.730	1.000	20.46
ATOM	736	CD1	ILE	Α	114	-5.604	15.068	20.250	1.000	18.86
MOTA	737	CG2	ILE	Α	114	-3.565	17.380	21.156	1.000	18.53
ATOM	738	C	ILE	Α	114	-2.712	19.118	19.104	1.000	14.86
ATOM	739	0	ILE	Α	114	-1.650	18.594	18.750		
ATOM	740	N	VAL	Α	115	-2.797	20.311	19.631	1.000	16.67
ATOM	741	CA	VAL	Α	115	-1.600	21.072	19.972	1.000	13.98
ATOM	742	CB	VAL	Α	115	-1.749	22.543	19.584	1.000	
ATOM	743	CG1	VAL	Α	115	-0.680	23.353	20.303		27.44
ATOM	744	CG2	VAL	Α	115	-1.659	22.643	18.059		22.61
ATOM	745	С	VAL	Α	115	-1.360	20.975		1.000	
ATOM	746	0	VAL	Α	115	-2.303	21.113	22.246		
ATOM	747	N			116	-0.116	20.748	21.863		13.55
ATOM	748	CA			116	0.108	20.593	23.304		17.85
ATOM	749	СВ			116	-0.042	19.101			16.90
ATOM	750	OG1	THR	Α	116	-0.019	18.974		1.000	16.67
ATOM	751	CG2				1.092	18.252		1.000	18.44
ATOM	752	С	THR	Α	116	1.462	21.186	23.681	1.000	14.01
ATOM	753	0			116	2.258	21.452	22.775		13.95
ATOM	754	N	GLN			1.702	21.380	24.961		15.16
ATOM	755	CA	GLN			3.032	21.825	25.403		20.32
ATOM	756	CB	GLN	Α	117	2.866	22.383	26.829		17.18
ATOM	757	CG	GLN	Α	117	2.751	21.245	27.841		
ATOM	758	CD	GLN	Α	117	2.459	21.700	29.254		
ATOM	759	OE1	GLN	Α	117	2.255	22.879	29.560		19.09
ATOM	760	NE2	GLN	Α	117	2.428	20.740	30.181		25.28
ATOM	761	С	GLN	Α	117	4.051	20.714	25.344		22.35
ATOM	762	0	GLN	Α	117	3.743	19.524	25.186	1.000	21.90
ATOM	763	N	GLY	Α	118	5.348	20.995	25.467	1.000	20.42
ATOM	764	CA	GLY	Α	118	6.280	19.856	25.478	1.000	16.32
ATOM	765	С	GLY	Α	118	6.111	19.186	26.830	1.000	14.48
ATOM	766	0	GLY	Α	118	6.206	19.869	27.834	1.000	20.82
ATOM	767	N	PRO	A	119	5.850	17.888	26.898	1.000	19.04
ATOM	768	CA	PRO	Α	119	5.598	17.210	28.158		17.15
ATOM	769	CB	PRO	Α	119	5.626	15.716	27.778		17.56
MOTA	770	CG	PRO	Α	119	5.109	15.747			16.78
ATOM	771	CD	PRO	Α	119	5.766	16.966	25.749		
MOTA	772	С	PRO	Α	119	6.686	17.470	29.215		14.53
ATOM	773	0	PRO	Α	119	7.852	17.580	28.857	1.000	
ATOM	774	N	LEU			6.193	17.562	30.436		
ATOM	775		LEU			7.014	17.632	31.639		
ATOM	776		LEU			6.259	18.379	32.752		
ATOM	777		LEU			6.077	19.879	32.495		
ATOM	778		LEU			4.937	20.427	33.332		
ATOM	779		LEU			7.399	20.586	32.764		
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ATOM	780	С	LEU	Α	120	7.358	16.22	7 32.124	1.000	25.96
ATOM	781	0	LEU	A	120	6.667	15.27	4 31.750	1.000	21.42
ATOM	782	N	PRO			8.381	16.07	2 32.957	1.000	29.05
ATOM	783	CA	PRO	Α	121	8.595	14.78	6 33.629	1.000	25.75
ATOM	784	CB	PRO	Α	121	9.597			1.000	25.40
MOTA	785	CG			121	10.409	16.24	4 34.108	1.000	27.02
MOTA	786	CD	PRO	Α	121	9.405	17.06	4 33.325	1.000	27.21
MOTA	787	С	PRO	Α	121	7.317	14.25	1 34.258	1.000	22.30
MOTA	788	0	PRO	Α	121	7.004	13.05	6 34.125	1.000	25.28
MOTA	789	N	GLY	Α	122	6.557	15.13	6 34.914	1.000	18.79
MOTA	790	CA	GLY	Α	122	5.347	14.71	9 35.583	1.000	16.68
ATOM	791	C	GLY	Α	122	4.075	14.74	34.751	1.000	28.03
ATOM	792	0	GLY	Α	122	3.020	14.52	6 35.376	1.000	24.04
ATOM	793	N	THR	A	123	4.110	14.97	7 33.436	1.000	20.34
ATOM	794	CA	THR	Α	123	2.930	14.93	7 32.578	1.000	14.07
ATOM	795	CB	THR	Α	123	2.534	16.29	7 31.970	1.000	14.80
ATOM	796	OG1	THR	Α	123	3.597	16.76	31.130	1.000	20.06
ATOM	797	CG2	THR	Α	123	2.290	17.35	33.043	1.000	21.03
ATOM	798	С	THR	Α	123	3.121	13.98	2 31.401	1.000	17.25
ATOM	799	0	THR	Α	123	2.189	13.76	30.625	1.000	19.21
ATOM	800	N	LYS	Α	124	4.290	13.38	31.258	1.000	17.35
ATOM	801	CA	LYS	Α	124	4.591	12.47	30.157	1.000	20.84
ATOM	802	CB	LYS	Α	124	6.056	12.05	7 30.163	1.000	23.80
ATOM	803	CG	LYS	Α	124	6.574	11.185		1.000	22.00
ATOM	804	CD	LYS	Α	124	8.053	10.832	31.082	1.000	30.29
ATOM	805	CE	LYS	Α	124	8.441	9.720	32.044	1.000	45.34
ATOM	806	NZ	LYS	Α	124	9.868	9.696	32.452	1.000	41.63
MOTA	807	С	LYS	Α	124	3.636	11.275	30.163	1.000	19.38
ATOM	808	0	LYS	Α	124	3.239	10.855		1.000	19.48
ATOM	809	N	ASP	Α	125	3.233	10.748	31.314	1.000	20.33
ATOM	810	CA	ASP	Α	125	2.250	9.666	31.286	1.000	20.85
ATOM	811	CB	ASP	Α	125	2.042	9.048	32.667	1.000	21.24
ATOM	812	CG	ASP	Α	125	3.216	8.294	33.256	1.000	23.35
ATOM	813	OD1	ASP	Α	125	4.196	8.028	32.528	1.000	20.34
ATOM	814	OD2	ASP	Α	125	3.124	7.972	34.488	1.000	20.58
ATOM	815	С	ASP	Α	125	0.903	10.155	30.758	1.000	18.95
ATOM	816	0	ASP	Α	125	0.264	9.434	29.979	1.000	17.28
ATOM	817	N	ASP	Α	126	0.462	11.327	31.199	1.000	20.58
ATOM	818	CA	ASP	Α	126	-0.740	11.974	30.672	1.000	16.25
ATOM	819	CB	ASP	Α	126	-0.971	13.331	31.325	1.000	22.07
ATOM	820	CG	ASP	Α	126	-1.198	13.393	32.813	1.000	35.20
ATOM	821	OD1	ASP	Α	126	-1.760	12.424	33.363	1.000	28.11
ATOM	822	OD2	ASP	Α	126	-0.833	14.421	33.448	1.000	29.77
ATOM	823	С	ASP	Α	126	-0.636	12.184	29.153	1.000	14.70
MOTA	824	0	ASP	Α	126	-1.589	11.970	28.403	1.000	17.56
MOTA	825	N	PHE	Α	127	0.509	12.629			
MOTA	826	CA	PHE			0.641	12.855			
ATOM	827	CB	PHE	A	127	2.039	13.358			16.31
MOTA	828	CG	PHE .	A	127	2.432	13.364			
ATOM	829	CD1	PHE.			2.178	14.498			18.51
ATOM	830	CE1	PHE .	A	127	2.518	14.549			10.71
ATOM	831	CZ	PHE .	A	127	3.108	13.449	22.681	1.000	15.27

ATOM	832		PHE I		3.382	12.289	23.403		
ATOM	833	CD2	PHE A		3.061	12.299	24.747	1.000	
MOTA	834	С		A 127	0.385	11.547	26.468		22.45
ATOM	835	0		A 127	-0.332	11.482	25.478	1.000	
ATOM	836	N		128	1.052	10.479	26.939	1.000	
MOTA	837	CA	TRP A	A 128	0.896	9.221	26.182	1.000	16.47
MOTA	838	CB	TRP A	128	1.938	8.201	26.653	1.000	14.81
MOTA	839	CG	TRP A	128	3.329	8.492	26.170	1.000	17.83
MOTA	840	CD1	TRP A	128	4.444	8.788	26.892	1.000	15.04
ATOM	841	NE1	TRP A	A 128	5.526	8.987	26.043	1.000	16.38
ATOM	842	CE2	TRP A	A 128	5.110	8.818	24.749	1.000	15.72
ATOM	843	CD2	TRP A	A 128	3.738	8.509	24.787	1.000	15.19
ATOM	844	CE3	TRP A	A 128	3.062	8.282	23.587	1.000	16.34
ATOM	845	CZ3	TRP A	A 128	3.760	8.373	22.395	1.000	18.84
ATOM	846	CH2	TRP A	128	5.126	8.684	22.375	1.000	18.88
ATOM	847	CZ2	TRP A		5.797	8.906	23.544		19.59
ATOM	848	С	TRP A		-0.516	8.680	26.335		18.33
ATOM	849	0		128	-1.095	8.039	25.441		17.84
ATOM	850	N	LYS A		-1.136	8.925	27.490		16.01
ATOM	851	CA	LYS A		-2.552	8.577	27.669		15.83
ATOM	852	СВ	LYS A		-2.959	8.905	29.107		16.11
ATOM	853	CG	LYS A		-4.428	8.639	29.383	1.000	
ATOM	854	CD	LYS A		-4.734	8.820	30.866		
ATOM	855	CE	LYS A		-6.258	8.852	31.065		
ATOM	856	NZ	LYS A		-6.584	9.011	32.510		34.60
ATOM	857	C	LYS A		-3.418	9.305	26.655		22.77
ATOM	858	Ö	LYS A		-4.278	8.695	26.000		18.99
ATOM	859	N	MET A		-3.188	10.621	26.479		15.75
ATOM	860	CA	MET A		-3.893	11.366	25.434		13.41
ATOM	861	CB	MET A		-3.416	12.840	25.476		16.79
ATOM	862	CG		130	-4.077	13.682	24.379	1.000	
ATOM	863	SD	MET A		-3.548	15.406	24.457		18.90
ATOM	864	CE	MET A		-1.867	15.262	23.906	1.000	14.57
ATOM	865	C	MET A		-3.662	10.816	24.035		16.03
ATOM	866	0	MET A		-4.577	10.636	23.228		21.60
ATOM	867	N	VAL A		-2.421	10.513	23.688	1.000	
ATOM	868	CA	VAL A		-2.096	9.907	22.395		17.62
ATOM	869	CB	VAL A		-0.576	9.659	22.293		15.16
ATOM	870	CG1	VAL A		-0.228	8.757	21.118		16.01
ATOM	871		VAL A		0.162	10.996	22.200		
ATOM	872	C	VAL A		-2.891	8.614	22.198		
ATOM	873	Ö	VAL A		-3.480	8.392	21.126		
ATOM	874	N	TRP F		-2.952	7.787	23.223		
ATOM	875	CA	TRP A		-3.697	6.516	23.124		
ATOM	876	CB	TRP A		-3.433	5.620	24.339		
ATOM	877	CG	TRP A		-4.168	4.301	24.280		
ATOM	878	CD1			-5.262	3.909	25.019		
ATOM	879	NE1	TRP F		-5.611	2.623	24.645		
ATOM	880		TRP F		-4.763	2.172	23.681		
ATOM	881	CD2			-3.834	3.198	23.418		
ATOM	882		TRP F		-2.840	2.999	22.460		
ATOM	883		TRP F		-2.774	1.795	21.772		
111 011	000	023	F		2.113	20,00	,_		

ATOM	884	CH2			132	-3.721	0.806	22.066 1.000 23.87
ATOM	885	CZ2	TRP	A	132	-4.696	0.966	22.993 1.000 20.35
ATOM	886	С	TRP	A	132	-5.193	6.750	22.947 1.000 17.05
MOTA	887	0	TRP	Α	132	-5.818	6.256	21.987 1.000 20.64
MOTA	888	N	GLU	Α	133	-5.791	7.519	23.839 1.000 14.90
ATOM	889	CA	GLU	Α	133	-7.219	7.778	23.820 1.000 17.45
ATOM	890	CB	GLU	Α	133	- 7.610	8.589	25.078 1.000 18.05
ATOM	891	CG	GLU	Α	133	-7.397	7.760	26.341 1.000 19.08
ATOM	892	CD			133	-7.868	8.505	27.588 1.000 27.21
ATOM	893	OE1			133	-8.176	9.707	27.515 1.000 24.17
ATOM	894		GLU			-7.926	7.874	28.661 1.000 32.77
ATOM	895	C			133	-7.680	8.510	22.579 1.000 20.80
ATOM	896	Õ			133	-8.825	8.300	22.156 1.000 22.88
ATOM	897	N	GLN			-6.829	9.358	22.026 1.000 17.73
ATOM	898	CA	GLN			- 7.237	10.221	20.900 1.000 16.57
ATOM	899	CB	GLN			-6.549	11.579	21.008 1.000 14.29
ATOM	900	CG	GLN			-6.990	12.288	22.299 1.000 16.77
ATOM	901	CD	GLN			-8.452	12.250	22.274 1.000 21.52
ATOM	902	OE1						
						-9.006	13.127	
ATOM ATOM	903		GLN			-9.111	12.430	23.414 1.000 22.22
	904	C	GLN			-6.950	9.599	19.542 1.000 19.42
ATOM	905	0	GLN			-7.196	10.269	18.542 1.000 18.38
ATOM	906	N	ASN			-6.467	8.362	19.537 1.000 19.05
ATOM	907	CA	ASN			-6.213	7.579	18.343 1.000 19.16
ATOM	908	CB	ASN			-7.480	7.376	17.494 1.000 20.31
ATOM	909	CG	ASN			-8.541	6.596	18.257 1.000 31.86
ATOM	910		ASN			-8.283	5.493	18.725 1.000 33.23
ATOM	911		ASN			-9.742	7.149	18.391 1.000 30.19
ATOM	912	С	ASN			-5.155	8.263	17.482 1.000 17.39
ATOM	913	0	ASN			-5.206	8.264	16.256 1.000 22.39
ATOM	914	N	VAL			-4.196	8.866	18.167 1.000 14.13
ATOM	915	CA	VAL			-3.123	9.563	17.457 1.000 16.02
ATOM	916	CB	VAL			-2.417	10.541	18.433 1.000 18.99
ATOM	917	CG1	VAL			-1.100	11.000	17.793 1.000 20.47
MOTA	918	CG2	VAL			-3.330	11.692	18.794 1.000 13.05
ATOM	919	С	VAL			-2.120	8.585	16.871 1.000 18.76
ATOM	920	0	VAL			-1.653	7.669	17.563 1.000 17.38
ATOM	921	N	HIS			-1.756	8.745	15.591 1.000 15.53
ATOM	922	CA	HIS			-0.715	7.888	15.035 1.000 18.61
MOTA	923	CB	HIS			-1.197	7.109	13.799 1.000 19.72
ATOM	924	CG	HIS			-2.274	6.119	14.090 1.000 22.80
ATOM	925		HIS			-3.478	6.436	14.669 1.000 26.95
ATOM	926		HIS			-4.209	5.343	14.795 1.000 30.61
ATOM	927		HIS			-3.516	4.331	14.319 1.000 27.83
ATOM	928		HIS			-2.301	4.778	13.869 1.000 31.20
ATOM	929	С	HIS			0.523	8.677	14.620 1.000 19.42
ATOM	930	0	HIS	Α	137	1.534	8.071	14.287 1.000 19.32
ATOM	931	N	ASN			0.469	10.009	14.624 1.000 18.64
ATOM	932	CA	ASN			1.609	10.809	14.197 1.000 16.59
ATOM	933	CB	ASN			1.368	11.460	12.823 1.000 14.79
ATOM	934	CG	ASN	A	138	1.182	10.388	11.774 1.000 14.32
ATOM	935	OD1	ASN	A	138	0.070	10.154	11.277 1.000 23.35

ATOM	936	ND2	ASN			2.272	9.719	11.442	1.000	15.72
ATOM	937	С	ASN	Α	138	1.882	11.894	15.224	1.000	17.49
MOTA	938	0	ASN	Α	138	0.923	12.540	15.639	1.000	16.64
ATOM	939	N	ILE	Α	139	3.138	12.081	15.595	1.000	13.57
ATOM	940	CA	ILE	Α	139	3.492	13.222	16.443	1.000	13.49
ATOM	941	СВ			139	4.046	12.705	17.788		
ATOM	942	CG1			139	3.032	11.892	18.597		
ATOM	943	CD1			139	3.647	11.054	19.710		
ATOM	944	CG2			139	4.641	13.849	18.601		
ATOM	945	C			139	4.545	14.100	15.776		
ATOM	946	0			139	5.507	13.555	15.770		
ATOM	947	N			140	4.378	15.416	15.843		
ATOM	948	CA			140	5.330	16.361	15.282		
ATOM	949	CB								
					140	4.672	17.254	14.202		
ATOM	950	CG1			140	5.691	18.249	13.647		
ATOM	951	CG2			140	4.073	16.418	13.086		
ATOM	952	C			140	5.892	17.200	16.427	1.000	15.79
ATOM	953	0			140	5.144	17.816	17.200	1.000	16.44
ATOM	954	N			141	7.208	17.203	16.579		16.25
ATOM	955	CA			141	7.900	17.899	17.660		21.24
ATOM	956	CB			141	8.745	16.916	18.480	1.000	18.76
ATOM	957	CG			141	9.555	17.528	19.619	1.000	15.74
ATOM	958	SD	MET			10.162	16.187	20.709	1.000	19.42
ATOM	959	CE	MET			11.299	17.174	21.703	1.000	22.74
ATOM	960	С	MET	A	141	8.795	18.989	17.072	1.000	14.50
ATOM	961	0	MET	Α	141	9.715	18.659	16.332	1.000	19.95
MOTA	962	N	VAL	Α	142	8.551	20.246	17.347	1.000	18.34
MOTA	963	CA	VAL	Α	142	9.296	21.313	16.698	1.000	19.48
ATOM	964	CB	VAL	Α	142	8.396	22.310	15.933	1.000	22.88
MOTA	965	CG1	VAL	Α	142	9.226	22.965	14.836	1.000	28.48
ATOM	966	CG2	VAL	Α	142	7.180	21.668	15.294	1.000	30.53
ATOM	967	С	VAL	Α	142	10.112	22.075	17.732	1.000	23.04
ATOM	968	0	VAL	Α	142	9.990	23.280	17.923	1.000	23.56
ATOM	969	N	THR	Α	143	10.952	21.298	18.417	1.000	29.09
ATOM	970	CA	THR	Α	143	11.788	21.805	19.501	1.000	28.45
ATOM	971	CB	THR	Α	143	10.984	22.204	20.751	1.000	26.09
ATOM	972	OG1	THR	Α	143	11.837	22.963	21.620	1.000	30.17
ATOM	973	CG2	THR	Α	143	10.487	21.021	21.586	1.000	17.97
ATOM	974	С	THR			12.829	20.744		1.000	29.90
MOTA	975	0	THR			12.598	19.553	19.664		
MOTA	976	N	GLN			14.008	21.163	20.257		
ATOM	977	CA	GLN			14.993	20.221	20.781		
ATOM	978	СВ	GLN			16.415	20.692	20.494		
ATOM	979	CG	GLN			16.871	20.426	19.061		
ATOM	980	CD	GLN			18.293	20.929	18.844		
ATOM	981		GLN			19.270	20.199	19.004		
ATOM	982		GLN			18.424	22.197	18.474		
ATOM	983	C	GLN			14.724	20.124	22.271		
ATOM	984	0	GLN			14.724	21.024	22.271		
ATOM	985	N	CYS			15.115	19.032	22.927		
ATOM	986	CA	CYS			14.856	18.998	24.365		
ATOM	987	CB								
AION	JO 1	CB	CYS	Н	143	15.313	17.631	24.897	1.000	20.92

ATOM	988	SG			145	14.184	16.278	24.463 1.000 30.08
MOTA	989	С	CYS	Α	145	15.601	20.109	25.083 1.000 26.27
ATOM	990	0	CYS	A	145	15.152	20.691	26.056 1.000 25.34
MOTA	991	N	VAL	Α	146	16.795	20.375	24.555 1.000 27.66
MOTA	992	CA	VAL	Α	146	17.696	21.367	25.097 1.000 30.29
MOTA	993	CB	VAL	Α	146	18.963	20.721	25.711 1.000 36.55
ATOM	994	CG1	VAL	Α	146	19.918	21.827	26.139 1.000 34.60
ATOM	995	CG2	VAL	Α	146	18.601	19.795	26.859 1.000 44.23
ATOM	996	С	VAL	Α	146	18.213	22.307	24.014 1.000 28.45
ATOM	997	0	VAL	Α	146	18.841	21.790	23.076 1.000 40.86
ATOM	998	N	GLU	Α	147	17.971	23.586	24.167 1.000 28.57
ATOM	999	CA			147	18.452	24.625	23.258 1.000 37.00
ATOM	1000	СВ			147	17.283	25.228	22.467 1.000 37.35
ATOM	1001	CG	GLU		147	16.357	24.218	21.821 1.000 32.42
ATOM	1002	CD			147	15.173	24.836	21.097 1.000 36.64
ATOM	1003	OE1				14.684	25.926	21.465 1.000 28.99
ATOM	1004	OE2			147	14.708	24.197	20.129 1.000 29.46
ATOM	1005	C			147	19.191	25.727	24.028 1.000 41.02
ATOM	1006	Ö			147	18.682	26.143	25.080 1.000 35.27
ATOM	1007	N			148	20.338	26.211	23.559 1.000 49.35
ATOM	1008	CA			148	21.141	27.170	24.317 1.000 50.64
ATOM	1009	CB			148	20.525	28.547	24.520 1.000 54.31
ATOM	1010	CG	LYS			21.448	29.714	24.766 1.000 56.11
ATOM	1011	CD	LYS			22.091	29.906	26.107 1.000 51.55
ATOM	1012	CE	LYS			23.607	30.019	26.124 1.000 45.10
ATOM	1013	NZ	LYS			24.142	30.959	27.163 1.000 37.78
ATOM	1014	C	LYS			21.369	26.580	25.712 1.000 33.28
ATOM	1015	0	LYS			21.186	27.326	26.676 1.000 40.06
ATOM	1016	N	GLY			21.686	25.282	25.751 1.000 23.87
ATOM	1017	CA	GLY			21.915	24.686	27.061 1.000 33.16
ATOM	1018	C	GLY			20.778	24.925	28.034 1.000 34.12
ATOM	1019	0	GLY			20.966	24.992	29.241 1.000 33.20
ATOM	1020	N	ARG			19.544	25.082	27.560 1.000 43.51
ATOM	1021	CA	ARG			18.420	25.138	28.502 1.000 47.78
ATOM	1022	СВ	ARG			17.913	26.553	28.703 1.000 56.08
ATOM	1023	CG	ARG			16.416	26.706	28.896 1.000 63.73
ATOM	1024	CD	ARG			16.066	28.176	29.132 1.000 69.11
ATOM	1025	NE	ARG			16.737	28.703	30.311 1.000 74.23
ATOM	1026	CZ	ARG			16.496	29.840	30.951 1.000 82.40
ATOM	1027		ARG			15.544	30.672	30.553 1.000 94.75
ATOM	1028		ARG			17.228	30.148	32.023 1.000 84.24
ATOM	1029	С	ARG			17.319	24.195	28.020 1.000 40.29
ATOM	1030	0	ARG			17.214	23.897	26.826 1.000 44.43
ATOM	1031	N	VAL			16.553	23.714	28.991 1.000 42.19
ATOM	1032	CA	VAL			15.612	22.624	28.731 1.000 40.59
ATOM	1033	СВ	VAL			15.397	21.764	29.991 1.000 39.25
ATOM	1034		VAL			16.743	21.494	30.643 1.000 35.31
ATOM	1035		VAL			14.448	22.442	30.961 1.000 47.15
MOTA	1036	С	VAL			14.286	23.143	28.204 1.000 34.87
MOTA	1037	0	VAL			13.588	23.974	28.783 1.000 42.34
MOTA	1038	N	LYS			13.921	22.633	27.028 1.000 34.21
ATOM	1039	CA	LYS			12.658	23.089	26.435 1.000 32.45

ATOM	1040	CB	LYS	Α	152	12.936	23.469	24.983	1.000	29.05
ATOM	1041	CG	LYS	Α	152	13.723	24.774	24.884	1.000	40.50
ATOM	1042	CD	LYS	А	152	13.161	25.824	25.832	1.000	34.61
ATOM	1043	CE			152	12.890	27.143	25.135	1.000	41.44
										47.72
ATOM	1044	ΝZ			152	12.672	28.247	26.118	1.000	
MOTA	1045	С			152	11.580	22.023	26.534	1.000	32.08
MOTA	1046	0	LYS	Α	152	10.386	22.284	26.459	1.000	26.51
MOTA	1047	N	CYS	Α	153	11.986	20.771	26.708	1.000	26.76
ATOM	1048	CA	CYS	Α	153	11.021	19.668	26.654	1,000	25.46
ATOM	1049	СВ			153	10.682	19.380	25.189		21.77
					153	9.398		24.927	1.000	22.14
MOTA	1050	SG					18.138			
MOTA	1051	С	CYS			11.618	18.432	27.306		26.32
ATOM	1052	0	CYS	A	153	12.824	18.201	27.158	1.000	25.23
MOTA	1053	N	ASP	Α	154	10.807	17.640	27.999	1.000	23.11
MOTA	1054	CA	ASP	Α	154	11.355	16.378	28.515	1.000	21.66
ATOM	1055	СВ	ASP			10.361	15.731	29.473	1.000	21.13
ATOM	1056	CG	ASP			10.962	14.589	30.267		28.12
			ASP				14.786	30.207		33.22
ATOM	1057	OD1				11.961				
ATOM	1058		ASP			10.428	13.470	30.165	1.000	
MOTA	1059	С	ASP			11.654	15.413		1.000	
MOTA	1060	0	ASP	Α	154	10.996	15.507	26.341	1.000	20.63
ATOM	1061	N	HIS	Α	155	12.599	14.484	27.555	1.000	
ATOM	1062	CA	HIS	Α	155	12.785	13.364	26.630	1.000	23.74
ATOM	1063	CB	HIS	Α	155	14.212	12.842	26.726	1.000	20.26
ATOM	1064	CG	HIS	Α	155	14.625	11.929	25.619	1.000	22.14
ATOM	1065	ND1	HIS	Α	155	14.138	10.655			22.08
ATOM	1066	CE1	HIS			14.671	10.085	24.412		22.58
ATOM	1067		HIS			15.510	10.940		1.000	19.53
			HIS			15.484	12.098	24.594	1.000	24.73
ATOM	1068									
ATOM	1069	С	HIS			11.740	12.307		1.000	21.85
ATOM	1070	0	HIS			11.993	11.292	27.629	1.000	26.15
ATOM	1071	N	TYR	A	156	10.500	12.546	26.561	1.000	21.24
MOTA	1072	CA	TYR	Α	156	9.346	11.821	27.075	1.000	18.68
ATOM	1073	CB	TYR	Α	156	8.041	12.643	26.958	1.000	17.87
MOTA	1074	CG	TYR	Α	156	7.765	13.067	25.525	1.000	18.81
ATOM	1075	CD1	TYR	Α	156	7.032	12.280	24.647	1.000	23.10
ATOM	1076	CE1	TYR			6.778	12.662	23.333	1.000	19.51
ATOM	1077	CZ	TYR			7.267	13.880		1.000	17.53
ATOM	1078	OH	TYR			7.003	14.236		1.000	16.54
						7.997	14.230	23.725		
ATOM	1079		TYR							
MOTA	1080		TYR			8.247	14.285	25.047		
MOTA	1081	С	TYR			9.152	10.478	26.379		
ATOM	1082	0	TYR			8.180	9.801	26.732		
ATOM	1083	N	TRP	Α	157	10.005	10.148	25.427	1.000	20.71
ATOM	1084	CA	TRP	Α	157	9.956	8.852	24.736	1.000	21.44
MOTA	1085	СВ	TRP	Α	157	9.852	9.047	23.221	1.000	17.84
ATOM	1086	CG	TRP			11.092	9.674	22.655		22.69
ATOM	1087	CD1	TRP			12.153	9.009	22.094		
ATOM	1088	NE1	TRP			13.100	9.922	21.690		
		CE2	TRP			12.655	11.191	21.991		
ATOM	1089									
ATOM	1090		TRP			11.390	11.072	22.597		18.79
ATOM	1091	CE3	TRP	А	12/	10.724	12.233	22.996	1.000	18.30

MOTA	1092	CZ3	TRP	A	157	11.325	13.459			18.73
MOTA	1093	CH2				12.582	13.548	22.179	1.000	19.11
MOTA	1094	CZ2	TRP	Α	157	13.254	12.423	21.783	1.000	16.74
MOTA	1095	С	TRP	Α	157	11.180	8.027	25.116	1.000	21.33
MOTA	1096	0	TRP	Α	157	12.146	8.606	25.626	1.000	22.55
ATOM	1097	N	PRO	A	158	11.211	6.722	24.940	1.000	25.25
ATOM	1098	CA	PRO	Α	158	12.363	5.904	25.331		23.55
ATOM	1099	СВ	PRO	Α	158	11.959	4.495	24.848		23.59
ATOM	1100	CG	PRO	Α	158	10.459	4.540	25.001		24.03
ATOM	1101	CD	PRO			10.115	5.887	24.391		24.42
ATOM	1102	C	PRO			13.675	6.254	24.671		22.71
ATOM	1103	0	PRO			13.804	6.665	23.522		24.60
ATOM	1104	N	ALA			14.735	6.052	25.470		25.38
ATOM	1105	CA	ALA			16.057	6.433	24.978		26.79
ATOM	1106	CB	ALA			16.933	6.787	26.175		
ATOM	1107	C	ALA			16.686	5.340	24.141		31.84
ATOM	1108	0	ALA			17.702	5.599	23.481		37.52
ATOM	1109	N	ASP			16.119		24.142		
ATOM	1110	CA	ASP			16.648	4.135			24.95
ATOM	1111	CB	ASP				3.021	23.361		29.97
ATOM	1112	CG	ASP			17.725	2.249	24.119		33.98
						17.259	1.971	25.541		35.26
ATOM ATOM	1113		ASP			16.102	1.530	25.682		31.88
	1114		ASP			18.045	2.209	26.482		37.41
ATOM	1115	C	ASP			15.522	2.053	23.016		
ATOM	1116	0	ASP			14.364	2.428	23.164		25.87
ATOM	1117	N	GLN			15.855	0.834	22.622		
ATOM	1118	CA	GLN			14.765	-0.040	22.162		23.89
ATOM	1119	CB	GLN			15.223	-0.925	20.993	1.000	
ATOM	1120	CG	GLN			15.788	-0.089	19.845		45.69
ATOM	1121	CD	GLN			15.671	-0.678	18.458		48.73
ATOM	1122	OE1				15.341	-1.845		1.000	48.46
ATOM	1123		GLN			15.952	0.136		1.000	
ATOM	1124	С	GLN			14.187	-0.899		1.000	
ATOM	1125	0	GLN			13.413	-1.806		1.000	
ATOM	1126	N	ASP			14.518	-0.604	24.521		25.88
ATOM	1127	CA	ASP			13.974	-1.361	25.644		27.98
ATOM	1128	CB	ASP			14.876	-1.203	26.872	1.000	26.59
MOTA	1129	CG	ASP			16.207	-1.921		1.000	28.66
ATOM	1130		ASP			16.491	-2.448			31.96
ATOM	1131		ASP .			16.968	-1.953	27.694		
MOTA	1132	С	ASP .			12.569	-0.891	25.982		
MOTA	1133	0	ASP .			12.382	0.304	26.182	1.000	27.57
ATOM	1134	N	SER .			11.587	-1.785	26.071	1.000	22.21
ATOM	1135	CA	SER .	A	163	10.208	-1.323	26.297	1.000	18.32
ATOM	1136	CB	SER .	Ą	163	9.239	-2.491	26.111	1.000	19.11
ATOM	1137	OG	SER .	A	163	9.616	-3.639	26.863	1.000	24.74
MOTA	1138	С	SER .			10.065	-0.701	27.671	1.000	19.89
ATOM	1139	0	SER I			10.822	-1.039	28.596	1.000	23.48
MOTA	1140	N	LEU Z			9.115	0.215	27.839	1.000	22.10
ATOM	1141	CA	LEU I	A	164	8.902	0.835	29.142		
ATOM	1142	CB	LEU A	Α	164	9.650	2.160	29.279		
ATOM	1143	CG	LEU A	Ą	164	11.081	2.263	29.771	1.000	32.69

ATOM	1144	CD1	LEU	A	164	11.536	3.726	29.711	1.000	28.59
MOTA	1145	CD2	LEU	Α	164	11.280	1.731	31.183	1.000	31.11
MOTA	1146	C	LEU	Α	164	7.421	1.126	29.396	1.000	27.10
MOTA	1147	0	LEU	Α	164	6.712	1.554	28.476	1.000	18.26
MOTA	1148	N	TYR	Α	165	6.948	0.930	30.633	1.000	16.81
MOTA	1149	CA	TYR	Α	165	5.610	1.374	30.989	1.000	15.66
MOTA	1150	CB	TYR	Α	165	5.152	0.803	32.324	1.000	17.16
MOTA	1151	CG	TYR	Α	165	4.704	-0.642	32.238	1.000	22.22
ATOM	1152	CD1	TYR	Α	165	3.479	-0.947	31.670	1.000	22.09
MOTA	1153	CE1	TYR	Α	165	3.008	-2.244	31.568	1.000	21.78
ATOM	1154	CZ			165	3.812	-3.256	32.062	1.000	20.60
ATOM	1155	OH	TYR	Α	165	3.338	-4.550	31.950	1.000	25.51
ATOM	1156	CE2	TYR	Α	165	5.032	-2.978	32.631	1.000	18.30
ATOM	1157	CD2	TYR	Α	165	5.506	-1.670	32.740	1.000	18.57
MOTA	1158	С	TYR	Α	165	5.563	2.905	31.134	1.000	20.90
ATOM	1159	0	TYR	Α	165	6.525	3.443	31.688	1.000	19.46
ATOM	1160	N	TYR	Α	166	4.495	3.530	30.690	1.000	17.57
ATOM	1161	CA	TYR	Α	166	4.172	4.933	30.964	1.000	16.74
ATOM	1162	CB	TYR			4.262	5.809	29.718	1.000	17.74
ATOM	1163	CG	TYR	Α	166	5.648	6.083	29.202	1.000	18.55
MOTA	1164	CD1	TYR			6.318	7.284	29.472	1.000	15.85
MOTA	1165	CE1	TYR	Α	166	7.589	7.509	28.990	1.000	15.83
MOTA	1166	CZ	TYR	Α	166	8.236	6.569	28.235	1.000	17.11
MOTA	1167	OH	TYR	Α	166	9.498	6.772	27.739	1.000	21.34
ATOM	1168	CE2	TYR	Α	166	7.597	5.380	27.954	1.000	20.45
MOTA	1169	CD2	TYR	Α	166	6.324	5.153	28.434	1.000	19.30
ATOM	1170	С	TYR	Α	166	2.755	4.969	31.521	1.000	17.54
MOTA	1171	0	TYR	Α	166	1.784	4.874	30.773	1.000	18.04
MOTA	1172	N	GLY	А	167	2.582	5.076	32.829	1.000	18.81
MOTA	1173	CA	GLY			1.205	4.954	33.330	1.000	22.60
MOTA	1174	С	GLY			0.691	3.555	33.040	1.000	
MOTA	1175	0	GLY			1.404	2.570			24.80
MOTA	1176	N	ASP	Α	168	-0.529	3.434	32.527	1.000	21.14
MOTA	1177	CA	ASP			-1.052	2.125	32.187	1.000	19.46
ATOM	1178	CB	ASP			-2.583	2.105	32.330	1.000	19.01
ATOM	1179	CG	ASP			-2.972	2.233	33.792		29.38
ATOM	1180		ASP		168	-2.199	1.795	34.675		31.79
ATOM	1181		ASP		168	-4.064	2.776	34.047	1.000	41.21
ATOM	1182	С	ASP			-0.707	1.690		1.000	22.83
ATOM	1183	0	ASP			-1.223	0.665	30.330		
ATOM	1184	N	LEU			0.113	2.428	30.059		
ATOM	1185	CA	LEU			0.439	2.054	28.685		
ATOM	1186	CB	LEU			0.372	3.268	27.736		
ATOM	1187	CG	LEU			-0.925	4.075	27.798		
ATOM	1188		LEU			-0.792	5.463	27.170		
ATOM	1189		LEU			-2.049	3.304	27.119		
MOTA	1190	С	LEU			1.840	1.480	28.619		
ATOM	1191	0	LEU			2.677	1.776	29.476		
ATOM	1192	N	ILE			2.110	0.675	27.585		
ATOM	1193	CA	ILE			3.498	0.257	27.438		
MOTA	1194	CB	ILE			3.759	-1.248	27.605		
MOTA	1195	CG1	ILE	A	170	5.235	-1.602	27.342	1.000	28.45

ATOM	1196	CD1			170	5.709	-2.782	28.165	1.000	28.18
MOTA	1197	CG2	ILE	Ά	170	2.849	-2.102	26.746	1.000	23.17
ATOM	1198	С	ILE	Α	170	3.966	0.706	26.047	1.000	19.57
MOTA	1199	0	ILE	Α	170	3.177	0.625	25.107	1.000	18.10
MOTA	1200	N	LEU	Α	171	5.196	1.186	26.013	1.000	19.57
ATOM	1201	CA	LEU	Α	171	5.709	1.829	24.789		23.46
ATOM	1202	СВ			171	5.723	3.318	25.102		24.58
ATOM	1203	CG			171	6.059	4.395	24.098		
ATOM	1204	CD1			171	4.995	4.543	23.027		
ATOM	1205	CD2				6.247	5.726	24.826		
ATOM	1206	C	-		171	7.042	1.210	24.442		25.87
ATOM	1207	0			171	7.863	0.848	25.294		
ATOM	1208	N			172	7.320	1.018	23.159		18.94
ATOM	1209	CA			172	8.609	0.485	22.749		18.74
ATOM	1210	CB			172	8.516	-1.033	22.548		25.07
ATOM	1211	CG			172	9.801	-1.733	22.146		23.89
ATOM	1212	CD			172	9.639	-3.222	21.918		32.82
ATOM	1213	OE1			172	8.737	-3.720	21.242		36.92
ATOM	1213	NE2			172	10.552		22.530		
ATOM	1215	C			172	9.049	-3.981 1.190	21.475		34.84 20.94
ATOM	1216	0			172	8.271	1.224	20.521		
ATOM	1217	N			173	10.265	1.709	21.448		27.01 21.76
ATOM	1218	CA			173	10.203	2.361			
ATOM	1219	CB			173	11.848	3.393	20.246		19.32
ATOM	1220	CG			173	12.395	4.082	20.622 19.350	1.000	
ATOM	1221	SD			173	13.333	5.573	19.752		
ATOM	1222	CE			173	14.788	4.835	20.498	1.000	34.32
ATOM	1223	С	MET			11.331	1.325	19.286		21.94
ATOM	1224	0	MET			12.211	0.554	19.678	1.000	
ATOM	1225	N	LEU			10.824	1.300	18.058	1.000	
ATOM	1226	CA	LEU			11.188	0.272		1.000	
ATOM	1227	CB	LEU			9.993	-0.104			29.19
ATOM	1228	CG	LEU			8.732	-0.590	16.934		33.01
ATOM	1229	CD1				7.688	-0.964	15.897	1.000	
ATOM	1230	CD2	LEU			9.062	-1.757	17.857	1.000	38.21
ATOM	1231	C	LEU			12.299	0.737	16.159	1.000	27.31
ATOM	1232	Ö	LEU		174	13.081	-0.049	15.641		28.22
ATOM	1233	N	SER			12.364	2.050		1.000	28.86
ATOM	1234	CA	SER			13.420	2.612		1.000	30.23
ATOM	1235	CB	SER			13.135	2.372	13.626		
ATOM	1236	OG	SER			12.320	3.403	13.111		
ATOM	1237	C	SER			13.595	4.101	15.397		
ATOM	1238	0	SER			12.690	4.787	15.885		
ATOM	1239	N	GLU			14.798	4.562	15.104		
ATOM	1240	CA	GLU			15.204	5.939	15.322		
ATOM	1241	СВ	GLU			15.885	6.109	16.674	1.000	
ATOM	1242	CG	GLU			16.366	7.514	16.976		
ATOM	1243	CD	GLU			16.890	7.563	18.413		
ATOM	1244		GLU			18.041	7.104	18.596		
ATOM	1245		GLU			16.182	8.023	19.331		
ATOM	1246	C	GLU			16.158	6.334	14.203		
ATOM	1247	0	GLU			17.237	5.756	14.149		

ATOM	1248	N	SER	A	177	15.754	7.260	13.341	1.000	26.10
MOTA	1249	CA	SER	A	177	16.562	7.596	12.175	1.000	22.13
ATOM	1250	CB	SER	. A	177	15.850	7.215	10.880	1.000	24.63
ATOM	1251	OG	SER	. A	. 177	15.442	5.858	10.852	1.000	32.57
MOTA	1252	С	SER	A	177	16.888	9.079	12.211	1.000	19.74
MOTA	1253	0	SER	A	. 177	16.041	9.955	12.003	1.000	24.72
ATOM	1254	N			178	18.142	9.387	12.521	1.000	21.76
MOTA	1255	CA			178	18.577	10.766	12.651	1.000	20.70
ATOM	1256	CB	VAL			19.777	10.890	13.604	1.000	30.20
MOTA	1257	CG1				20.138	12.353	13.823	1.000	22.39
ATOM	1258	CG2				19.478	10.224	14.943		
ATOM	1259	C			178	18.959	11.311	11.280		
ATOM	1260	0			178	19.885	10.794	10.652		
MOTA	1261	N			179	18.244	12.333	10.828	1.000	23.24
ATOM	1262	CA			179	18.550	12.947	9.541	1.000	
ATOM	1263	CB			179	17.292	12.950	8.668		19.90
ATOM	1264	CG			179	16.414	11.712	8.694		19.48
ATOM	1265	CD1			179	15.201	11.861	7.765		20.09
ATOM	1266	CD2			179	17.209	10.467	8.304		23.69
ATOM	1267	C			179	19.119	14.337	9.791	1.000	
ATOM	1268	0			179	19.079	14.824	10.939		
ATOM	1269	N			180	19.677	15.022	8.798	1.000	
ATOM	1270	CA			180	20.320	16.317	9.086	1.000	23.99
ATOM	1271	CB			180	20.700	16.849	7.686		24.76
ATOM	1272	CG			180	20.859	15.612	6.863		30.87
ATOM	1273	CD			180	19.801	14.649	7.378		29.95
ATOM ATOM	1274	С			180	19.439	17.339	9.771		23.60
ATOM	1275 1276	O N			180	19.901	18.080	10.636		22.88
ATOM	1277	CA			181	18.151	17.441		1.000	
ATOM	1277	CB			181 181	17.363 16.858	18.480			21.28
ATOM	1279	CG			181	18.003	19.455 20.315	8.991	1.000	
ATOM	1280	CD	GLU			17.596	21.325	7.421	1.000	34.87
ATOM	1281	OE1	GLU			16.746	21.008	6.567		32.02
ATOM	1282	OE2			181	18.154	22.440	7.452		44.17
ATOM	1283	C	GLU			16.178	17.945	10.870		17.99
ATOM	1284	0	GLU		181	15.507	18.740	11.537		19.13
ATOM	1285	N	TRP			15.906	16.648	10.817	1.000	
MOTA	1286	CA	TRP			14.848	16.095		1.000	20.93
ATOM	1287	СВ	TRP			13.432	16.217	11.113		
ATOM	1288	CG	TRP			13.192	15.913		1.000	
ATOM	1289		TRP			12.852	14.727		1.000	
ATOM	1290		TRP			12.715	14.821		1.000	
ATOM	1291		TRP			12.971	16.112		1.000	
ATOM	1292		TRP			13.275	16.826		1.000	
ATOM	1293		TRP			13.583	18.197		1.000	
ATOM	1294		TRP			13.571	18.785		1.000	
ATOM	1295		TRP			13.261	18.032		1.000	
ATOM	1296	CZ2	TRP			12.956	16.698		1.000	
ATOM	1297	С	TRP			15.188	14.629	11.929		
MOTA	1298	0	TRP			15.996	14.011	11.228		
MOTA	1299	N	THR	A	183	14.549	14.085	12.961		

ATOM 1300 CA THR A 183											
ATOM 1302 OGI THR A 183	ATOM	1300	CA	THR A	A :	183	14.699	12.677			
ATOM 1304 CG2 THR A 183	ATOM	1301	CB	THR A	4 :	183	15.328	12.553	14.701	1.000	23.44
ATOM 1303 CG2 THR A 183	ATOM	1302	OG1	THR A	A .	183	16.636	13.143	14.619	1.000	24.00
ATOM 1304 C THR A 183 12.354 11.988 13.226 1.000 16.48 ATOM 1305 O THR A 183 12.354 12.543 13.710 1.000 18.87 ATOM 1306 N ILE A 184 13.301 10.809 12.641 1.000 15.19 ATOM 1307 CA ILE A 184 12.051 10.059 12.556 1.000 15.66 ATOM 1309 CGI ILE A 184 11.775 9.676 11.096 1.000 20.74 ATOM 1310 CDI ILE A 184 11.821 10.921 10.196 1.000 20.74 ATOM 1311 CG2 ILE A 184 11.379 10.717 8.765 1.000 23.01 ATOM 1313 CDI ILE A 184 11.379 10.717 8.765 1.000 23.01 ATOM 1313 C ILE A 184 12.134 8.828 13.450 1.000 25.32 ATOM 1313 O ILE A 184 13.056 8.018 13.331 1.000 28.73 ATOM 1314 N ARG A 185 11.189 8.678 14.370 1.000 25.32 ATOM 1315 CA ARG A 185 11.191 7.501 15.231 1.000 19.00 ATOM 1316 CB ARG A 185 11.171 7.501 15.231 1.000 19.00 ATOM 1317 CG ARG A 185 11.371 7.501 15.231 1.000 19.00 ATOM 1318 CD ARG A 185 12.739 8.478 17.011 1.000 27.08 ATOM 1318 CD ARG A 185 12.739 8.478 17.011 1.000 27.88 ATOM 1318 CD ARG A 185 12.739 8.478 17.011 1.000 27.88 ATOM 1320 CZ ARG A 185 13.377 9.765 18.768 1.000 22.96 ATOM 1321 NH1 ARG A 185 13.515 11.930 18.624 1.000 22.98 ATOM 1322 NH2 ARG A 185 13.515 11.931 18.624 1.000 22.83 ATOM 1322 NH2 ARG A 185 13.515 11.930 18.062 1.000 21.31 ATOM 1324 O ARG A 185 13.515 11.930 18.062 1.000 21.31 ATOM 1325 N GUU A 186 8.590 4.756 15.330 1.000 19.60 ATOM 1326 CG GUU A 186 8.590 4.756 15.330 1.000 19.60 ATOM 1327 CB GUU A 186 8.590 4.756 15.330 1.000 19.80 ATOM 1328 CG GUU A 186 8.590 4.756 15.330 1.000 19.80 ATOM 1329 CD GUU A 186 8.590 4.756 15.330 1.000 20.34 ATOM 1330 OEI GUU A 186 8.590 4.756 15.330 1.000 20.34 ATOM 1331 OE2 GUU A 186 8.590 4.756 15.330 1.000 20.30 ATOM 1332 C PHE A 187 7.046 3.286 13.877 1.000 38.65 ATOM 1333 C PHE A 187 7.046 3.286 13.877 1.000 38.65 ATOM 1330 OEI GUU A 186 6.961 2.255 12.778 1.000 20.20 ATOM 1331 OE2 GUU A 186 6.961 2.255 12.778 1.000 20.20 ATOM 1331 OE2 GUU A 186 6.961 2.255 12.778 1.000 20.20 ATOM 1333 C PHE A 187 7.046 8.004 19.993 1.000 20.20 ATOM 1334 C PHE A 187 7.046 8.004 19.993 1.000 20.22 ATOM 1334 C PHE A 187 7.046 8.004 19.993 1.000 20.22 ATOM 1340 C PHE A		1303	CG2	THR A	A 3	183	15.453	11.104	15.137	1.000	21.54
ATOM 1305 O THR A 183 12.354 12.543 13.710 1.000 18.87 ATOM 1306 N ILE A 184 13.301 10.809 12.641 1.000 15.19 ATOM 1307 CA ILE A 184 12.051 10.059 12.556 1.000 15.66 ATOM 1308 CB ILE A 184 11.775 9.676 11.096 1.000 19.83 ATOM 1309 CGI ILE A 184 11.775 9.676 11.096 1.000 20.74 ATOM 1310 CDI ILE A 184 11.379 10.717 8.765 1.000 23.01 ATOM 1311 CG2 ILE A 184 10.481 8.990 10.978 1.000 19.48 ATOM 1312 C ILE A 184 10.481 8.990 10.978 1.000 25.32 ATOM 1313 O ILE A 184 13.056 8.018 13.311 1.000 25.32 ATOM 1314 N ARG A 185 11.189 8.678 14.370 1.000 21.95 ATOM 1315 CA ARG A 185 11.189 8.678 14.370 1.000 21.95 ATOM 1316 CB ARG A 185 11.171 7.501 15.231 1.000 19.00 ATOM 1317 CG ARG A 185 11.381 7.882 16.693 1.000 17.64 ATOM 1318 CD ARG A 185 12.739 8.478 17.011 1.000 22.12 ATOM 1318 CD ARG A 185 12.739 8.478 17.011 1.000 22.23 ATOM 1320 CZ ARG A 185 13.977 9.765 18.768 1.000 27.88 ATOM 1321 NH 1 ARG A 185 13.977 9.765 18.768 1.000 27.88 ATOM 1322 NH2 ARG A 185 13.3977 9.765 18.768 1.000 27.88 ATOM 1323 C ARG A 185 13.3977 9.765 18.768 1.000 27.88 ATOM 1324 O ARG A 185 13.515 11.390 18.662 1.000 22.33 ATOM 1323 C ARG A 185 13.875 11.390 18.662 1.000 22.34 ATOM 1324 O ARG A 185 15.513 11.426 19.056 1.000 22.34 ATOM 1325 N GUU A 186 9.842 5.499 15.318 1.000 21.31 ATOM 1326 CA GUU A 186 8.495 3.779 14.165 1.000 20.34 ATOM 1327 CB GUU A 186 8.495 3.779 14.165 1.000 20.34 ATOM 1328 CG GUU A 186 8.495 3.779 14.165 1.000 20.04 ATOM 1330 OCI GUU A 186 9.842 5.499 15.318 1.000 21.83 ATOM 1331 OCI GUU A 186 8.495 3.779 14.165 1.000 20.04 ATOM 1333 OCI GUU A 186 9.842 5.499 15.318 1.000 21.83 ATOM 1334 N PLE A 187 7.060 18.499 15.330 17.000 19.00 ATOM 1335 C PLE A 187 7.466 9.404 16.64 1.000 20.04 ATOM 1336 CB PHE A 187 7.342 4.092 17.281 1.000 20.04 ATOM 1337 CB GUU A 186 6.6961 2.255 12.778 1.000 30.77 ATOM 1334 CP PLE A 187 7.466 9.404 13.391 17.005 1.000 29.07 ATOM 1335 CP PHE A 187 7.466 9.404 13.391 17.000 20.44 ATOM 1336 CB PHE A 187 7.466 9.404 19.905 1.000 20.45 ATOM 1337 CG PHE A 187 9.428 1.000 19.000 19.000 19.000 19.000 19							13.349	11.988	13.226	1.000	16.48
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ATOM 1321 NH1 ARG A 185	ATOM	1319	NE	ARG A	<i>A</i> :	185	13.977	9.765			
ATOM 1322 NH2 ARG A 185	ATOM	1320	CZ	ARG A	A :	185	14.318	11.031	18.624		
ATOM 1323 C ARG A 185 9.836 6.796 15.067 1.000 20.34 ATOM 1324 O ARG A 185 8.827 7.415 14.740 1.000 19.60 ATOM 1325 N GLU A 186 9.842 5.499 15.318 1.000 21.83 ATOM 1326 CA GLU A 186 8.590 4.756 15.330 1.000 19.84 ATOM 1327 CB GLU A 186 8.495 3.779 14.165 1.000 27.08 ATOM 1328 CG GLU A 186 7.086 3.286 13.877 1.000 38.65 ATOM 1329 CD GLU A 186 6.961 2.255 12.778 1.000 38.65 ATOM 1330 OE1 GLU A 186 7.958 1.554 12.481 1.000 59.07 ATOM 1331 OE2 GLU A 186 5.874 2.119 12.169 1.000 41.81 ATOM 1332 C GLU A 186 8.507 4.004 16.664 1.000 24.47 ATOM 1333 O GLU A 186 8.507 4.004 16.664 1.000 24.47 ATOM 1334 N PHE A 187 7.342 4.092 17.281 1.000 22.616 ATOM 1335 CA PHE A 187 7.016 3.401 18.513 1.000 17.58 ATOM 1336 CB PHE A 187 7.601 5.542 19.741 1.000 26.16 ATOM 1338 CD1 PHE A 187 7.288 6.798 19.268 1.000 22.44 ATOM 1339 CE1 PHE A 187 7.288 6.798 19.268 1.000 22.44 ATOM 1339 CE1 PHE A 187 7.882 6.798 19.268 1.000 22.44 ATOM 1330 CE1 PHE A 187 9.428 7.634 19.993 1.000 20.12 ATOM 1340 CZ PHE A 187 9.428 7.634 19.993 1.000 20.12 ATOM 1341 CE2 PHE A 187 9.428 7.634 19.993 1.000 20.12 ATOM 1342 CD2 PHE A 187 9.428 7.634 19.993 1.000 20.12 ATOM 1343 C PHE A 187 9.428 7.634 19.993 1.000 20.12 ATOM 1344 O PHE A 187 9.428 7.634 19.993 1.000 20.12 ATOM 1345 N LYS A 188 5.969 1.320 19.015 1.000 23.02 ATOM 1346 CA LYS A 188 5.969 1.320 19.015 1.000 23.44 ATOM 1347 CB LYS A 188 5.229 -0.986 19.280 1.000 29.53 ATOM 1348 CG LYS A 188 4.664 -1.959 19.180 1.000 45.29 ATOM 1349 CD LYS A 188 4.664 -1.959 19.180 1.000 45.29	ATOM	1321	NH1	ARG A	<i>Y</i> :	185	13.515	11.930			
ATOM 1324 O ARG A 185 8.827 7.415 14.740 1.000 19.60 ATOM 1325 N GLU A 186 9.842 5.499 15.318 1.000 21.83 ATOM 1326 CA GLU A 186 8.590 4.756 15.330 1.000 19.84 ATOM 1327 CB GLU A 186 8.495 3.779 14.165 1.000 27.08 ATOM 1328 CG GLU A 186 7.086 3.286 13.877 1.000 38.65 ATOM 1329 CD GLU A 186 6.961 2.255 12.778 1.000 49.85 ATOM 1330 OE1 GLU A 186 6.961 2.255 12.778 1.000 49.85 ATOM 1331 OE2 GLU A 186 7.958 1.554 12.481 1.000 59.07 ATOM 1333 O GLU A 186 5.874 2.119 12.169 1.000 41.81 ATOM 1333 O GLU A 186 8.507 4.004 16.664 1.000 24.47 ATOM 1333 O GLU A 186 9.494 3.391 17.085 1.000 28.68 ATOM 1334 N PHE A 187 7.342 4.092 17.281 1.000 21.26 ATOM 1335 CA PHE A 187 7.016 3.401 18.513 1.000 17.58 ATOM 1336 CB PHE A 187 7.016 3.401 18.513 1.000 17.58 ATOM 1337 CG PHE A 187 7.601 5.542 19.741 1.000 26.16 ATOM 1338 CD1 PHE A 187 7.288 6.798 19.268 1.000 22.44 ATOM 1339 CE1 PHE A 187 7.288 6.798 19.268 1.000 22.44 ATOM 1339 CE1 PHE A 187 9.428 7.634 19.993 1.000 27.12 ATOM 1340 CZ PHE A 187 9.428 7.634 19.993 1.000 27.12 ATOM 1341 CE2 PHE A 187 9.428 7.634 19.993 1.000 27.12 ATOM 1342 CD2 PHE A 187 9.428 7.634 19.993 1.000 27.12 ATOM 1343 C PHE A 187 9.428 7.634 19.993 1.000 27.12 ATOM 1343 C PHE A 187 9.428 7.634 19.993 1.000 27.12 ATOM 1344 O PHE A 187 9.428 7.634 19.993 1.000 27.12 ATOM 1345 N LYS A 188 5.969 1.320 19.015 1.000 27.12 ATOM 1346 CA LYS A 188 5.969 1.320 19.015 1.000 29.00 ATOM 1347 CB LYS A 188 4.814 0.486 19.315 1.000 29.53 ATOM 1348 CG LYS A 188 4.814 0.486 19.315 1.000 46.50 ATOM 1349 CD LYS A 188 4.664 -1.959 19.180 1.000 41.78 ATOM 1349 CD LYS A 188 4.664 -1.959 19.180 1.000 46.50 ATOM 1349 CD LYS A 188 4.660 -3.360 18.830 1.000 45.29	ATOM	1322	NH2	ARG A	Α :	185	15.513	11.426	19.056	1.000	28.28
ATOM 1325 N GLU A 186 9.842 5.499 15.318 1.000 21.83 ATOM 1326 CA GLU A 186 8.590 4.756 15.330 1.000 19.84 ATOM 1327 CB GLU A 186 8.495 3.779 14.165 1.000 27.08 ATOM 1328 CG GLU A 186 7.086 3.286 13.877 1.000 38.65 ATOM 1329 CD GLU A 186 6.961 2.255 12.778 1.000 49.85 ATOM 1330 OE1 GLU A 186 7.958 1.554 12.481 1.000 59.07 ATOM 1331 OE2 GLU A 186 5.874 2.119 12.169 1.000 41.81 ATOM 1333 O GLU A 186 8.507 4.004 16.664 1.000 24.47 ATOM 1333 O GLU A 186 9.494 3.391 17.085 1.000 28.68 ATOM 1334 N PHE A 187 7.342 4.092 17.281 1.000 21.26 ATOM 1335 CA PHE A 187 7.016 3.401 18.513 1.000 17.58 ATOM 1336 CB PHE A 187 7.016 3.401 18.513 1.000 17.58 ATOM 1337 CG PHE A 187 7.601 5.542 19.741 1.000 26.16 ATOM 1338 CD1 PHE A 187 7.288 6.798 19.268 1.000 22.44 ATOM 1339 CE1 PHE A 187 7.288 6.798 19.268 1.000 22.44 ATOM 1340 CZ PHE A 187 9.428 7.634 19.993 1.000 26.12 ATOM 1341 CE2 PHE A 187 9.428 7.634 19.993 1.000 26.12 ATOM 1341 CE2 PHE A 187 9.428 7.634 19.993 1.000 26.12 ATOM 1343 C PHE A 187 9.428 7.634 19.993 1.000 25.25 ATOM 1343 C PHE A 187 9.428 7.634 19.993 1.000 26.12 ATOM 1341 CE2 PHE A 187 9.428 7.634 19.993 1.000 26.12 ATOM 1343 C PHE A 187 9.428 7.634 19.993 1.000 25.25 ATOM 1343 C PHE A 187 9.428 7.634 19.993 1.000 25.25 ATOM 1343 C PHE A 187 9.428 7.634 19.993 1.000 25.25 ATOM 1343 C PHE A 187 9.428 7.634 19.993 1.000 25.25 ATOM 1345 N LYS A 188 5.299 -0.986 19.280 1.000 29.53 ATOM 1345 CB LYS A 188 5.229 -0.986 19.280 1.000 29.53 ATOM 1348 CG LYS A 188 5.229 -0.986 19.280 1.000 29.53 ATOM 1348 CG LYS A 188 4.664 -1.959 19.180 1.000 41.78 ATOM 1349 CD LYS A 188 4.664 -1.959 19.180 1.000 45.29	ATOM	1323	C	ARG A	A :	185	9.836	6.796	15.067	1.000	20.34
ATOM 1325 N GLU A 186 9.842 5.499 15.318 1.000 21.83 ATOM 1326 CA GLU A 186 8.590 4.756 15.330 1.000 19.84 ATOM 1327 CB GLU A 186 8.495 3.779 14.165 1.000 27.08 ATOM 1328 CG GLU A 186 7.086 3.286 13.877 1.000 38.65 ATOM 1329 CD GLU A 186 6.961 2.255 12.778 1.000 49.85 ATOM 1330 OE1 GLU A 186 7.958 1.554 12.481 1.000 59.07 ATOM 1331 OE2 GLU A 186 5.874 2.119 12.169 1.000 41.81 ATOM 1332 C GLU A 186 8.507 4.004 16.664 1.000 24.47 ATOM 1333 O GLU A 186 9.494 3.391 17.085 1.000 28.68 ATOM 1334 N PHE A 187 7.342 4.092 17.281 1.000 21.26 ATOM 1335 CA PHE A 187 7.016 3.401 18.513 1.000 17.58 ATOM 1336 CB PHE A 187 7.016 3.401 18.513 1.000 17.58 ATOM 1337 CG PHE A 187 7.601 5.542 19.741 1.000 26.12 ATOM 1338 CD1 PHE A 187 7.288 6.798 19.268 1.000 22.44 ATOM 1339 CE1 PHE A 187 7.288 6.798 19.268 1.000 22.44 ATOM 1339 CE1 PHE A 187 9.428 7.634 19.993 1.000 30.77 ATOM 1340 CZ PHE A 187 9.428 7.634 19.993 1.000 26.12 ATOM 1341 CE2 PHE A 187 9.428 7.634 19.993 1.000 26.12 ATOM 1343 C PHE A 187 9.428 7.634 19.993 1.000 27.12 ATOM 1343 C PHE A 187 9.428 7.634 19.993 1.000 27.12 ATOM 1343 C PHE A 187 9.428 7.634 19.993 1.000 27.12 ATOM 1343 C PHE A 187 9.428 7.634 19.993 1.000 27.12 ATOM 1343 C PHE A 187 9.428 7.634 19.993 1.000 27.12 ATOM 1343 C PHE A 187 9.428 7.634 19.993 1.000 27.12 ATOM 1343 C PHE A 187 9.428 7.634 19.993 1.000 27.12 ATOM 1343 C PHE A 187 9.428 7.634 19.993 1.000 27.12 ATOM 1343 C PHE A 187 9.428 7.634 19.993 1.000 27.12 ATOM 1344 O PHE A 187 9.428 7.634 19.993 1.000 27.12 ATOM 1345 N LYS A 188 5.969 1.320 19.015 1.000 29.53 ATOM 1348 CG LYS A 188 5.229 -0.986 19.280 1.000 29.53 ATOM 1348 CG LYS A 188 4.814 0.486 19.315 1.000 45.59 ATOM 1349 CD LYS A 188 5.229 -0.986 19.280 1.000 29.53 ATOM 1349 CD LYS A 188 5.229 -0.986 19.280 1.000 29.53 ATOM 1349 CD LYS A 188 5.229 -0.986 19.280 1.000 29.53 ATOM 1349 CD LYS A 188 5.229 -0.986 19.280 1.000 29.53 ATOM 1349 CD LYS A 188 5.229 -0.986 19.280 1.000 29.53 ATOM 1349 CD LYS A 188 5.225 -3.976 20.036 1.000 45.59 ATOM 1345 CD LYS A 188 5.255 -3.976 20.036 1.000 4	ATOM	1324	0	ARG A	A :	185	8.827	7.415	14.740	1.000	19.60
ATOM 1326 CA GLU A 186 8.590 4.756 15.330 1.000 19.84 ATOM 1327 CB GLU A 186 8.495 3.779 14.165 1.000 27.08 ATOM 1328 CG GLU A 186 7.086 3.286 13.877 1.000 38.65 ATOM 1329 CD GLU A 186 7.958 1.554 12.778 1.000 49.85 ATOM 1331 OE2 GLU A 186 7.958 1.554 12.481 1.000 59.07 ATOM 1331 OE2 GLU A 186 5.874 2.119 12.169 1.000 41.81 ATOM 1332 C GLU A 186 8.507 4.004 16.664 1.000 24.47 ATOM 1333 O GLU A 186 9.494 3.391 17.085 1.000 28.68 ATOM 1334 N PHE A 187 7.342 4.092 17.281 1.000 21.26 ATOM 1335 CA PHE A 187 7.016 3.401 18.513 1.000 17.58 ATOM 1336 CB PHE A 187 7.016 3.401 18.513 1.000 17.58 ATOM 1337 CG PHE A 187 7.661 5.542 19.741 1.000 26.16 ATOM 1338 CD1 PHE A 187 7.288 6.792 19.741 1.000 26.16 ATOM 1340 CZ PHE A 187 7.288 6.792 19.409 1.000 30.77 ATOM 1340 CZ PHE A 187 9.428 7.634 19.993 1.000 26.12 ATOM 1341 CE2 PHE A 187 9.428 7.634 19.993 1.000 26.12 ATOM 1343 C PHE A 187 9.746 6.376 20.477 1.000 27.12 ATOM 1343 C PHE A 187 9.746 6.376 20.477 1.000 27.12 ATOM 1343 C PHE A 187 9.746 6.376 20.477 1.000 27.12 ATOM 1343 C PHE A 187 9.746 6.376 20.477 1.000 27.12 ATOM 1343 C PHE A 187 9.746 6.376 20.477 1.000 27.12 ATOM 1343 C PHE A 187 9.746 6.376 20.477 1.000 27.12 ATOM 1343 C PHE A 187 9.746 6.376 20.477 1.000 27.12 ATOM 1343 C PHE A 187 9.746 6.376 20.477 1.000 27.12 ATOM 1343 C PHE A 187 9.746 6.376 20.477 1.000 27.12 ATOM 1343 C PHE A 187 9.746 6.376 20.477 1.000 27.12 ATOM 1343 C PHE A 187 9.746 6.376 20.477 1.000 27.12 ATOM 1343 C PHE A 187 9.746 6.376 20.477 1.000 27.12 ATOM 1345 N LYS A 188 5.969 1.320 19.015 1.000 29.53 ATOM 1348 CG LYS A 188 4.814 0.486 19.315 1.000 29.53 ATOM 1349 CD LYS A 188 4.814 0.486 19.315 1.000 29.53 ATOM 1349 CD LYS A 188 4.860 -3.360 18.830 1.000 46.50 ATOM 1349 CD LYS A 188 4.560 -3.360 18.830 1.000 45.29	MOTA		N	GLU A	. A	186	9.842	5.499	15.318	1.000	21.83
ATOM 1327 CB GLU A 186 8.495 3.779 14.165 1.000 27.08 ATOM 1328 CG GLU A 186 7.086 3.286 13.877 1.000 38.65 ATOM 1329 CD GLU A 186 6.961 2.255 12.778 1.000 49.85 ATOM 1330 OE1 GLU A 186 7.958 1.554 12.481 1.000 59.07 ATOM 1331 OE2 GLU A 186 5.874 2.119 12.169 1.000 41.81 ATOM 1332 C GLU A 186 8.507 4.004 16.664 1.000 24.47 ATOM 1333 O GLU A 186 9.494 3.391 17.085 1.000 28.68 ATOM 1334 N PHE A 187 7.342 4.092 17.281 1.000 21.26 ATOM 1335 CA PHE A 187 7.016 3.401 18.513 1.000 17.58 ATOM 1336 CB PHE A 187 7.016 3.401 18.513 1.000 19.02 ATOM 1337 CG PHE A 187 7.601 5.542 19.741 1.000 26.16 ATOM 1338 CD1 PHE A 187 7.288 6.798 19.268 1.000 22.44 ATOM 1339 CE1 PHE A 187 7.288 6.798 19.268 1.000 22.44 ATOM 1340 CZ PHE A 187 9.428 7.634 19.993 1.000 26.12 ATOM 1341 CE2 PHE A 187 9.428 7.634 19.993 1.000 27.12 ATOM 1342 CD2 PHE A 187 9.746 6.376 20.477 1.000 27.12 ATOM 1343 C PHE A 187 9.746 6.376 20.477 1.000 27.12 ATOM 1343 C PHE A 187 9.746 6.376 20.477 1.000 27.12 ATOM 1344 O PHE A 187 5.836 2.453 18.339 1.000 25.25 ATOM 1345 N LYS A 188 5.969 1.320 19.015 1.000 29.53 ATOM 1347 CB LYS A 188 4.814 0.486 19.315 1.000 29.53 ATOM 1348 CG LYS A 188 4.814 0.486 19.315 1.000 29.53 ATOM 1349 CD LYS A 188 4.660 -3.360 18.830 1.000 45.29 ATOM 1349 CD LYS A 188 5.229 -0.986 19.280 1.000 45.29								4.756	15.330	1.000	19.84
ATOM 1328 CG GLU A 186 7.086 3.286 13.877 1.000 38.65 ATOM 1329 CD GLU A 186 6.961 2.255 12.778 1.000 49.85 ATOM 1330 OE1 GLU A 186 7.958 1.554 12.481 1.000 59.07 ATOM 1331 OE2 GLU A 186 5.874 2.119 12.169 1.000 41.81 ATOM 1332 C GLU A 186 8.507 4.004 16.664 1.000 24.47 ATOM 1333 O GLU A 186 9.494 3.391 17.085 1.000 28.68 ATOM 1334 N PHE A 187 7.342 4.092 17.281 1.000 21.26 ATOM 1335 CA PHE A 187 7.016 3.401 18.513 1.000 17.58 ATOM 1336 CB PHE A 187 7.601 5.542 19.741 1.000 26.16 ATOM 1338 CD1 PHE A 187 7.288 6.798 19.268 1.000 22.44 ATOM 1339 CE1 PHE A 187 7.288 6.798 19.268 1.000 22.44 ATOM 1339 CE1 PHE A 187 9.428 7.634 19.993 1.000 20.12 ATOM 1340 CZ PHE A 187 9.428 7.634 19.993 1.000 27.12 ATOM 1341 CE2 PHE A 187 9.746 6.376 20.477 1.000 27.12 ATOM 1342 CD2 PHE A 187 5.836 2.453 18.339 1.000 25.25 ATOM 1343 C PHE A 187 5.836 2.453 18.339 1.000 20.12 ATOM 1344 O PHE A 187 5.836 2.453 18.339 1.000 20.12 ATOM 1345 N LYS A 188 5.969 1.320 19.015 1.000 29.00 ATOM 1346 CA LYS A 188 4.814 0.486 19.315 1.000 29.53 ATOM 1347 CB LYS A 188 5.229 -0.986 19.280 1.000 29.53 ATOM 1348 CG LYS A 188 4.064 -1.959 19.180 1.000 45.29 ATOM 1349 CD LYS A 188 4.560 -3.360 18.830 1.000 45.29								3.779	14.165	1.000	27.08
ATOM 1329 CD GLU A 186 6.961 2.255 12.778 1.000 49.85 ATOM 1330 OE1 GLU A 186 7.958 1.554 12.481 1.000 59.07 ATOM 1331 OE2 GLU A 186 5.874 2.119 12.169 1.000 41.81 ATOM 1332 C GLU A 186 8.507 4.004 16.664 1.000 24.47 ATOM 1333 O GLU A 186 9.494 3.391 17.085 1.000 28.68 ATOM 1334 N PHE A 187 7.342 4.092 17.281 1.000 21.26 ATOM 1335 CA PHE A 187 7.016 3.401 18.513 1.000 17.58 ATOM 1336 CB PHE A 187 6.609 4.390 19.609 1.000 19.02 ATOM 1337 CG PHE A 187 7.601 5.542 19.741 1.000 26.16 ATOM 1338 CD1 PHE A 187 7.288 6.798 19.268 1.000 22.44 ATOM 1339 CE1 PHE A 187 8.192 7.832 19.409 1.000 30.77 ATOM 1340 CZ PHE A 187 9.428 7.634 19.993 1.000 26.12 ATOM 1341 CE2 PHE A 187 9.428 7.634 19.993 1.000 26.12 ATOM 1342 CD2 PHE A 187 8.832 5.341 20.350 1.000 25.25 ATOM 1343 C PHE A 187 5.836 2.453 18.339 1.000 25.25 ATOM 1345 N LYS A 188 5.969 1.320 19.015 1.000 29.00 ATOM 1347 CB LYS A 188 5.929 -0.986 19.280 1.000 29.53 ATOM 1348 CG LYS A 188 4.814 0.486 19.315 1.000 29.53 ATOM 1349 CD LYS A 188 4.664 -1.959 19.180 1.000 41.78 ATOM 1349 CD LYS A 188 4.560 -3.360 18.830 1.000 45.29											
ATOM 1330 OE1 GLU A 186 7.958 1.554 12.481 1.000 59.07 ATOM 1331 OE2 GLU A 186 5.874 2.119 12.169 1.000 41.81 ATOM 1332 C GLU A 186 8.507 4.004 16.664 1.000 24.47 ATOM 1333 O GLU A 186 9.494 3.391 17.085 1.000 28.68 ATOM 1334 N PHE A 187 7.342 4.092 17.281 1.000 21.26 ATOM 1335 CA PHE A 187 7.016 3.401 18.513 1.000 17.58 ATOM 1336 CB PHE A 187 7.016 3.401 18.513 1.000 17.58 ATOM 1337 CG PHE A 187 7.601 5.542 19.741 1.000 26.16 ATOM 1338 CD1 PHE A 187 7.288 6.798 19.268 1.000 22.44 ATOM 1339 CE1 PHE A 187 8.192 7.832 19.409 1.000 30.77 ATOM 1340 CZ PHE A 187 9.428 7.634 19.993 1.000 26.12 ATOM 1341 CE2 PHE A 187 9.428 7.634 19.993 1.000 26.12 ATOM 1342 CD2 PHE A 187 8.832 5.341 20.350 1.000 27.12 ATOM 1343 C PHE A 187 8.832 5.341 20.350 1.000 27.12 ATOM 1344 O PHE A 187 8.832 5.341 20.350 1.000 25.25 ATOM 1345 N LYS A 188 5.969 1.320 19.015 1.000 23.02 ATOM 1346 CA LYS A 188 4.814 0.486 19.315 1.000 23.44 ATOM 1347 CB LYS A 188 4.814 0.486 19.315 1.000 29.00 ATOM 1348 CG LYS A 188 4.814 0.486 19.315 1.000 29.53 ATOM 1348 CG LYS A 188 4.664 -1.959 19.180 1.000 41.78 ATOM 1349 CD LYS A 188 4.664 -1.959 19.180 1.000 45.29 ATOM 1349 CD LYS A 188 4.560 -3.360 18.830 1.000 45.29											49.85
ATOM 1331 OE2 GLU A 186											
ATOM 1332 C GLU A 186 8.507 4.004 16.664 1.000 24.47 ATOM 1333 O GLU A 186 9.494 3.391 17.085 1.000 28.68 ATOM 1334 N PHE A 187 7.342 4.092 17.281 1.000 21.26 ATOM 1335 CA PHE A 187 7.016 3.401 18.513 1.000 17.58 ATOM 1336 CB PHE A 187 6.609 4.390 19.609 1.000 19.02 ATOM 1337 CG PHE A 187 7.601 5.542 19.741 1.000 26.16 ATOM 1338 CD1 PHE A 187 7.288 6.798 19.268 1.000 22.44 ATOM 1339 CE1 PHE A 187 8.192 7.832 19.409 1.000 30.77 ATOM 1340 CZ PHE A 187 9.428 7.634 19.993 1.000 26.12 ATOM 1341 CE2 PHE A 187 9.746 6.376 20.477 1.000 27.12 ATOM 1342 CD2 PHE A 187 8.832 5.341 20.350 1.000 25.25 ATOM 1343 C PHE A 187 8.832 5.341 20.350 1.000 25.25 ATOM 1344 O PHE A 187 5.836 2.453 18.339 1.000 20.12 ATOM 1345 N LYS A 188 5.969 1.320 19.015 1.000 23.02 ATOM 1346 CA LYS A 188 5.969 1.320 19.015 1.000 29.00 ATOM 1347 CB LYS A 188 5.229 -0.986 19.280 1.000 29.53 ATOM 1348 CG LYS A 188 4.814 0.486 19.315 1.000 29.53 ATOM 1349 CD LYS A 188 4.064 -1.959 19.180 1.000 41.78 ATOM 1349 CD LYS A 188 4.064 -1.959 19.180 1.000 41.78 ATOM 1349 CD LYS A 188 5.225 -3.976 20.036 1.000 45.29											
ATOM 1333 O GLU A 186 9.494 3.391 17.085 1.000 28.68 ATOM 1334 N PHE A 187 7.342 4.092 17.281 1.000 21.26 ATOM 1335 CA PHE A 187 7.016 3.401 18.513 1.000 17.58 ATOM 1336 CB PHE A 187 6.609 4.390 19.609 1.000 19.02 ATOM 1337 CG PHE A 187 7.601 5.542 19.741 1.000 26.16 ATOM 1338 CD1 PHE A 187 7.288 6.798 19.268 1.000 22.44 ATOM 1339 CE1 PHE A 187 8.192 7.832 19.409 1.000 30.77 ATOM 1340 CZ PHE A 187 9.428 7.634 19.993 1.000 26.12 ATOM 1341 CE2 PHE A 187 9.746 6.376 20.477 1.000 27.12 ATOM 1342 CD2 PHE A 187 8.832 5.341 20.350 1.000 25.25 ATOM 1343 C PHE A 187 8.832 5.341 20.350 1.000 25.25 ATOM 1344 O PHE A 187 5.836 2.453 18.339 1.000 20.12 ATOM 1345 N LYS A 188 5.969 1.320 19.015 1.000 23.02 ATOM 1346 CA LYS A 188 4.814 0.486 19.315 1.000 23.44 ATOM 1347 CB LYS A 188 5.229 -0.986 19.280 1.000 29.53 ATOM 1348 CG LYS A 188 4.664 -1.959 19.180 1.000 41.78 ATOM 1349 CD LYS A 188 4.560 -3.360 18.830 1.000 46.50 ATOM 1349 CD LYS A 188 4.560 -3.360 18.830 1.000 45.29											
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	ATOM	1349	CD								
	ATOM	1350	CE	LYS A	<i>A</i> :	188	5.255				
	MOTA		NZ	LYS A	1	188	5.958	-5.246	19.707	1.000	51.18

MOTA	1352	С	LYS			4.247	0.908	20.669 1.000 21.37
MOTA	1353	0	LYS	Α	188	4.984	1.012	21.650 1.000 20.70
MOTA	1354	N	ILE	Α	189	2.942	1.151	20.722 1.000 19.68
MOTA	1355	CA	ILE	A	189	2.280	1.419	21.990 1.000 20.68
MOTA	1356	CB	ILE	Α	189	1.712	2.853	22.019 1.000 26.52
MOTA	1357	CG1	ILE	Α	189	1.092	3.235	23.363 1.000 22.26
MOTA	1358	CD1	ILE	Α	189	0.940	4.748	23.485 1.000 39.28
ATOM	1359	CG2	ILE	Α	189	0.721	3.104	20.879 1.000 26.76
ATOM	1360	С	ILE	Α	189	1.160	0.429	22.259 1.000 25.87
MOTA	1361	0	ILE	A	189	0.397	0.070	21.351 1.000 23.56
MOTA	1362	N	CYS	Α	190	1.032	-0.021	23.514 1.000 24.27
MOTA	1363	CA	CYS	Α	190	-0.078	-0.912	23.859 1.000 21.00
MOTA	1364	CB	CYS	A	190	0.402	-2.336	24.179 1.000 28.92
MOTA	1365	SG	CYS	Α	190	1.318	-3.174	22.867 1.000 32.32
MOTA	1366	С	CYS	Α	190	-0.838	-0.365	25.055 1.000 26.90
ATOM	1367	0	CYS	Α	190	-0.279	-0.024	26.098 1.000 22.81
MOTA	1368	N	GLY	Α	191	-2.159	-0.270	24.946 1.000 28.18
ATOM	1369	CA	GLY	Α	191	-2.883	0.291	26.094 1.000 35.73
MOTA	1370	С			191	-4.150	-0.485	26.348 1.000 42.74
ATOM	1371	0	GLY			-4.326	-1.578	25.793 1.000 32.85
ATOM	1372	N			192	-5.093	-0.003	27.180 1.000 51.55
ATOM	1373	CA			192	-6.223	-0.938	27.283 1.000 66.18
ATOM	1374	СВ			192	-7.133	-0.742	28.489 1.000 76.10
ATOM	1375	CG			192	-7.860	-2.067	28.785 1.000 85.72
ATOM	1376	CD			192	-7.026	-3.266	28.356 1.000 87.86
ATOM	1377		GLU			-6.184	-3.687	29.190 1.000106.89
ATOM	1378		GLU			-7.174	-3.794	27.229 1.000 63.79
ATOM	1379	C			192	-7.019	-0.844	25.974 1.000 60.51
ATOM	1380	0	GLU			-7.455	0.251	25.638 1.000 49.89
ATOM	1381	N	GLU			-7.112	-1.996	25.326 1.000 57.69
ATOM	1382	CA			193	-7.600	-2.127	23.973 1.000 58.03
ATOM	1383	СВ	GLU			-7.726	-3.604	23.546 1.000 59.99
ATOM	1384	CG	GLU			-8.209	-3.661	22.102 1.000 70.62
ATOM	1385	CD	GLU			-8.606	-5.058	21.671 1.000 69.93
ATOM	1386		GLU			-9.439	-5.674	22.369 1.000 80.76
ATOM	1387	OE2				-8.081	-5.511	20.636 1.000 63.90
ATOM	1388	C	GLU			-8.963	-1.475	23.781 1.000 64.42
MOTA	1389	0	GLU			-9.945	-1.868	24.403 1.000100.70
ATOM	1390	N	GLN			-9.008	-0.492	22.895 1.000 65.44
ATOM	1391	CA	GLN				0.128	
ATOM	1392	CB	GLN			-10.256	1.622	22.773 1.000 59.27
ATOM	1393	CG	GLN			-8.915	2.066	23.359 1.000 64.93
ATOM	1394	CD	GLN			-8.739	3.571	23.383 1.000 63.48
ATOM	1395		GLN			-8.193	4.160	22.449 1.000 39.84
	1396		GLN			-9.206	4.183	24.467 1.000 72.21
ATOM ATOM	1390	NE2	GLN			-10.409	-0.139	20.964 1.000 65.87
			GLN			-10.725	-1.270	20.581 1.000 56.74
ATOM	1398	O NI	LEU			-10.725	0.891	20.161 1.000 58.59
ATOM	1399	N C7					0.891	18.707 1.000 53.57
ATOM	1400	CA	LEU			-10.167		18.027 1.000 34.01
MOTA	1401	CB	LEU			-10.095	2.103	
ATOM	1402	CG	LEU			-11.473	2.711	17.749 1.000 52.84
MOTA	1403	CDI	LEU	А	195	-11.369	4.144	17.248 1.000 64.31

ATOM	1404	CD2	LEU	Α	195	-12.213	1.828	16.745	1.000	
ATOM	1405	С			195	-9.029	-0.175	18.251		62.19
ATOM	1406	0	LEU	Α	195	-9.207	-0.990	17.345	1.000	74.97
ATOM	1407	N	ASP	Α	196	-7.874	-0.040	18.893	1.000	64.63
ATOM	1408	CA	ASP	Α	196	-6.730	-0.907	18.651	1.000	71.88
ATOM	1409	CB	ASP	Α	196	-5.616	-0.149	17.929	1.000	69.22
ATOM	1410	CG	ASP	Α	196	-5.589	1.331	18.254	1.000	68.85
ATOM	1411	OD1	ASP	Α	196	-5.984	1.716	19.374	1.000	46.56
ATOM	1412	OD2	ASP	Α	196	-5.168	2.105	17.363		68.77
ATOM	1413	С	ASP	Α	196	-6.197	-1.496	19.959		75.55
ATOM	1414	0			196	-6.396	-0.908	21.026		52.97
ATOM	1415	N			197	-5.530	-2.643	19.864		77.66
ATOM	1416	CA	ALA			-4.895	-3.267	21.020		76.86
ATOM	1417	CB	ALA			-5.256	-4.738	21.113		89.29
ATOM	1418	C	ALA			-3.376	-3.077	20.976		70.52
ATOM	1419	0	ALA			-2.709	-3.074	22.013		40.24
ATOM	1420	N	HIS			-2.852	-2.910	19.772		66.05
ATOM	1421	CA	HIS			-2.032	-2.444	19.510		70.91
ATOM	1422	CB	HIS			-0.565	-3.597	19.162		75.50
ATOM	1423	CG	HIS			-1.090	-4.481	18.069		88.48
ATOM	1423	ND1						18.290		94.26
	1424		HIS			-1.492	-5.779			
ATOM						-1.906	-6.315	17.155		93.97
ATOM	1426		HIS			-1.788	-5.411	16.199		94.98
ATOM	1427		-HIS			-1.280	-4.259	16.747		92.03
ATOM	1428	C	HIS			-1.534	-1.404	18.383	1.000	
ATOM	1429	0	HIS			-2.374	-1.488	17.480		79.54
ATOM	1430	N	ARG			-0.649	-0.416	18.408		59.29
ATOM	1431	CA	ARG			-0.625	0.649	17.409		35.48
ATOM	1432	CB	ARG			-1.445	1.854	17.881	1.000	27.18
ATOM	1433	CG	ARG			-1.499	2.997	16.876	1.000	
ATOM	1434	CD	ARG			-2.136	4.248		1.000	
ATOM	1435	NE	ARG			-3.326	3.985	18.281		24.15
ATOM	1436	CZ	ARG			-3.802	4.809	19.209		28.77
MOTA	1437	NH1				-3.159	5.961	19.433		21.27
MOTA	1438	NH2	ARG			-4.894	4.481	19.891		20.72
ATOM	1439	С	ARG			0.811	1.091	17.148		34.48
ATOM	1440	0	ARG			1.652	1.004	18.041		33.43
MOTA	1441	N	LEU			1.073	1.574	15.945		25.06
ATOM	1442	CA	LEU			2.347	2.162	15.564	1.000	24.44
MOTA	1443	CB	LEU			2.763	1.609	14.186		
MOTA	1444	CG	LEU			2.956	0.076	14.187		38.30
ATOM	1445		LEU			3.183	-0.457	12.783		34.53
MOTA	1446		LEU			4.085	-0.324	15.136		24.70
ATOM	1447	С	LEU	A	200	2.247	3.680	15.530	1.000	27.60
ATOM	1448	0	LEU			1.329	4.254	14.940	1.000	27.27
ATOM	1449	N	ILE			3.190	4.352	16.167		21.65
MOTA	1450	CA	ILE			3.223	5.805	16.195		
ATOM	1451	CB	ILE			3.243	6.350	17.634		
ATOM	1452	CG1	ILE			2.224	5.707	18.555		
MOTA	1453	CD1	ILE	A	201	0.840	6.267	18.547	1.000	32.15
ATOM	1454	CG2	ILE	A	201	3.105	7.874	17.627	1.000	22.88
ATOM	1455	С	ILE	A	201	4.494	6.275	15.498	1.000	16.73

ATOM	1456	0	ILE .	A 201	5.543	5.697	15.797	1.000	21.43
MOTA	1457	N	ARG .	A 202	4.395	7.244	14.609	1.000	15.34
ATOM	1458	CA		A 202		7.874	13.952	1.000	13.92
ATOM	1459	СВ		A 202		8.052		1.000	21.70
ATOM	1460	CG		A 202		6.798	11.747		37.52
	1461	CD		A 202		6.648	10.346		48.86
ATOM						5.885	10.269		
ATOM	1462	NE		A 202			9.632	1.000	
MOTA	1463	CZ		A 202		6.058		1.000	
ATOM	1464	NH1		A 202		7.082			
ATOM	1465		ARG .			5.112			32.36
MOTA	1466	С		A 202		9.248	14.587		16.51
ATOM	1467	0		A 202		9.959	14.863		18.08
ATOM	1468	N		A 203		9.543	14.854		17.20
MOTA	1469	CA	HIS .	A 203	7.433	10.725	15.560		16.92
MOTA	1470	CB		A 203		10.336	16.854		20.76
ATOM	1471	CG	HIS .	A 203	8.421	11.450			16.82
MOTA	1472	ND1	HIS .	A 203	9.626	12.125	17.837	1.000	21.78
ATOM	1473	CE1	HIS .	A 203	9.592	13.064	18.762	1.000	18.85
MOTA	1474	NE2	HIS .	A 203	8.404	13.021	19.331	1.000	19.59
MOTA	1475		HIS .			12.037	18.755	1.000	16.71
ATOM	1476	С		A 203		11.516	14.629	1.000	15.29
ATOM	1477	0		A 203		10.977	14.206	1.000	20.50
ATOM	1478	N		A 204	7.949	12.737	14.315		19.40
ATOM	1479	CA		A 204	8.668	13.627		1.000	
ATOM	1480	CB		A 204	7.750	14.112			16.25
ATOM	1481	CG		A 204	7.133	12.949			19.17
ATOM	1482	CD1		A 204	5.859	12.519	11.888	1.000	
	1483	CE1		A 204	5.296	11.466	11.195	1.000	
ATOM		CZ		A 204	5.276	10.843	10.173	1.000	
ATOM	1484			A 204	7.246	11.266	9.820		23.53
ATOM	1485	CE2				12.307		1.000	
ATOM	1486	CD2		A 204	7.825		14.191		
ATOM	1487	C		A 204	9.237	14.789			18.02
ATOM	1488	0		A 204	8.545	15.706	14.632		
ATOM	1489	N		A 205	10.552	14.693	14.407		17.57
ATOM	1490	CA		A 205	11.231	15.586	15.336	1.000	
ATOM	1491	CB		A 205	12.017	14.705	16.297		22.15
MOTA	1492	CG		A 205	12.733	15.407	17.404		23.38
ATOM	1493		HIS .		12.618	16.749		1.000	
ATOM	1494		HIS .		13.372	17.053	18.726		
MOTA	1495		HIS .		13.982	15.963	19.129		
ATOM	1496	CD2	HIS .	A 205	13.598	14.913	18.326		
MOTA	1497	С	HIS .	A 205	12.140	16.556	14.583		
MOTA	1498	0	HIS .	A 205	13.207	16.157	14.120	1.000	20.31
ATOM	1499	N	TYR .	A 206	11.736	17.808	14.448	1.000	20.99
MOTA	1500	CA	TYR .	A 206	12.552	18.816	13.771	1.000	18.48
MOTA	1501	CB	TYR .	A 206	11.683	19.944	13.305	1.000	21.09
ATOM	1502	CG	TYR .	A 206	12.270	20.944	12.340	1.000	17.56
ATOM	1503	CD1		A 206		20.592	11.011		
ATOM	1504	CE1		A 206		21.568	10.167		
ATOM	1505	CZ		A 206		22.833	10.665		
ATOM	1506	OH		A 206		23.786		1.000	
MOTA	1507	CE2		A 206		23.195	11.972		
	200,			0	20.011				-

ATOM	1508	CD2	TYR	Α	206	12.518	22.219	12.812	1.000	22.77
ATOM	1509	С	TYR	A	206	13.580	19.341	14.783	1.000	16.12
ATOM	1510	0	TYR	Α	206	13.165	19.799	15.824	1.000	21.03
ATOM	1511	N	THR	Α	207	14.855	19.255	14.458		20.95
ATOM	1512	CA			207	15.937	19.446	15.406		25.39
ATOM	1513	СВ			207	16.825	18.181	15.436		
ATOM	1514	OG1			207	17.300	17.892	14.110		
ATOM	1515	CG2			207	16.034	16.975	15.913		
ATOM	1516	C			207	16.791	20.668	15.090		
ATOM	1517	Ô			207	17.837	20.877	15.720		
ATOM	1518	N			208	16.366	21.501	14.140		24.45
ATOM	1519	CA			208	17.216	22.662	13.859		21.06
ATOM	1520	CB	VAL			17.883	22.496	12.481		28.39
ATOM	1521	CG1				18.791	21.272	12.532		23.56
ATOM	1521	CG2				16.849	22.387	11.368		
	1523	C	VAL							20.57
ATOM						16.523	23.999	13.935		31.86
ATOM	1524	0	VAL			17.084	24.981	13.417		27.99
ATOM	1525	N			209	15.359	24.144	14.567		26.72
ATOM	1526	CA			209	14.797	25.499	14.665		30.27
ATOM	1527	CB			209	13.424	25.461	15.322		28.47
ATOM	1528	CG	TRP			12.553	26.652	15.078		31.11
ATOM	1529	CD1				12.747	27.933	15.523		
ATOM	1530	NE1	TRP			11.725	28.752	15.093		
ATOM	1531	CE2	TRP			10.845	28.000	14.356		
ATOM	1532	CD2	TRP			11.331	26.678	14.325		
ATOM	1533	CE3	TRP			10.611	25.704	13.629		
ATOM	1534	CZ3	TRP			9.445	26.095	13.005		25.86
ATOM	1535	CH2	TRP			8.973	27.410	13.044		21.32
ATOM	1536	CZ2	TRP			9.666	28.388	13.720		
ATOM	1537	C	TRP			15.756	26.384	15.452		
ATOM	1538	0	TRP			16.199	25.947	16.515	1.000	
ATOM	1539	N	PRO			16.119	27.575	15.000	1.000	
ATOM	1540	CA	PRO			17.083	28.369	15.787	1.000	
ATOM	1541	CB	PRO			17.398	29.537	14.854	1.000	
ATOM	1542	CG	PRO			16.330	29.568	13.828	1.000	
ATOM	1543	CD	PRO			15.721	28.197	13.735	1.000	
ATOM	1544	C	PRO			16.551	28.877	17.112	1.000	
ATOM	1545	0	PRO			15.359	29.056	17.335	1.000	
ATOM	1546	N	ASP			17.443	29.158			39.44
ATOM	1547	CA	ASP			17.006	29.720	19.366		
ATOM	1548	CB	ASP			18.098	29.809	20.429		
ATOM	1549	CG	ASP			19.528	29.592	20.007		
ATOM	1550		ASP			20.028	30.231	19.044		
ATOM	1551		ASP			20.212	28.773	20.663		
ATOM	1552	C	ASP			16.433	31.124	19.187		
ATOM	1553	0	ASP			15.656	31.640	19.987		
ATOM	1554	N	HIS			16.818	31.816	18.113		
ATOM	1555	CA	HIS			16.184	33.125	17.909		
ATOM	1556	CB	HIS			17.197	34.250	18.143		
ATOM	1557	CG	HIS			17.690	34.249	19.563		
ATOM	1558		HIS			18.969	33.878	19.916		72.27
MOTA	1559	CEI	HIS	A	212	19.109	33.968	21.227	1.000	71.31

ATOM	1560	NE2	HIS	A	212	17.962	34.385	21.735 1.	.000	73.22
MOTA	1561	CD2	HIS	Α	212	17.056	34.563	20.718 1.	.000	71.91
MOTA	1562	С	HIS	Α	212	15.568	33.188		.000	35.23
MOTA	1563	0	HIS	Α	212	16.155	32.711		.000	36.51
ATOM	1564	N			213	14.380	33.777		.000	39.89
ATOM	1565	CA			213	13.712	33.934		.000	35.59
ATOM	1566	C			213	13.306	32.607		.000	40.76
ATOM	1567	0			213	13.230	31.604		.000	29.83
ATOM	1568	N			214	13.230	32.661		.000	26.99
ATOM	1569	CA			214	12.556				
	1570				214		31.542		000	23.88
MOTA		CB				11.489	32.069			27.24
ATOM	1571	CG1			214	10.282	32.612			25.46
ATOM	1572	CG2			214	12.081	33.158			32.07
ATOM	1573	С			214	13.672	30.841			33.49
ATOM	1574	0			214	14.782	31.393			41.50
MOTA	1575	N			215	13.433	29.666		000	33.79
MOTA	1576	CA			215	14.416	29.011	10.262 1.	000	32.45
MOTA	1577	CB	PRO	Α	215	13.625	27.863	9.628 1.	000	27.07
MOTA	1578	CG	PRO	Α	215	12.646	27.518	10.693 1.	000	25.47
MOTA	1579	CD	PRO	Α	215	12.228	28.835	11.297 1.	000	29.25
MOTA	1580	С	PRO	Α	215	14.948	29.950	9.185 1.	000	39.16
MOTA	1581	0	PRO	Α	215	14.249	30.839	8.704 1.	000	42.31
ATOM	1582	N	GLU	Α	216	16.215	29.755			33.87
ATOM	1583	CA	GLU	A	216	16.877	30.778		000	44.43
ATOM	1584	CB			216	18.392	30.715			52.43
ATOM	1585	CG	GLU	Α	216	18.841	31.700		000	56.31
ATOM	1586	CD			216	20.119	32.423			68.80
ATOM	1587	OE1			216	20.015	33.454			80.56
ATOM	1588		GLU			21.208	31.946		000	68.46
ATOM	1589	C			216	16.531	30.688			40.23
ATOM	1590	Ō			216	16.633	31.700			37.48
ATOM	1591	N	THR			16.112	29.522			29.61
ATOM	1592	CA	THR			15.492	29.314			32.71
ATOM	1593	СВ	THR			16.185	28.187			30.46
ATOM	1594	OG1	THR			16.030	26.987			35.61
ATOM	1595	CG2	THR			17.669				
ATOM	1596	C	THR				28.469			34.53
ATOM	1597	0	THR			14.031	28.881			36.27
		N				13.686	28.153			30.65
MOTA	1598		THR			13.176	29.290			31.97
ATOM	1599	CA	THR			11.842	28.692	3.901 1.		
ATOM	1600	CB	THR			10.987	29.433	2.861 1.		
ATOM	1601	OG1	THR			11.671	29.423	1.600 1.		
ATOM	1602	CG2	THR			10.804	30.879	3.294 1.0		
ATOM	1603	С	THR			11.951	27.225	3.518 1.0		
ATOM	1604	0	THR			11.142	26.377			32.65
ATOM	1605	N	GLN			12.969	26.889	2.721 1.0		
MOTA	1606	CA	GLN			13.056	25.550	2.173 1.0		
ATOM	1607	CB	GLN			14.365	25.386	1.388 1.0	000	28.06
ATOM	1608	CG	GLN	Α	219	14.167	24.541	0.137 1.0	000	47.72
ATOM	1609	CD	GLN	Α	219	14.872	23.201	0.253 1.0	000	57.11
ATOM	1610	OE1	GLN	Α	219	14.297	22.182	-0.133 1.0		
MOTA	1611	NE2	GLN	A	219	16.096	23.246	0.779 1.0		

ATOM	1612	С	GLN	Α	219	13	.010	24.	421			1.000	
MOTA	1613	0	GLN	Α	219	12	.351	23.	416			1.000	
MOTA	1614	N	SER	Α	220	13	.741	24.	594	4	.294	1.000	26.94
ATOM	1615	CA	SER	Α	220	13	.846	23.	658	5	.400	1.000	30.86
MOTA	1616	CB	SER			14	.660	24.	279	6	.537	1.000	29.59
ATOM	1617	OG	SER			14	.662	23.	505	7	.717	1.000	28.43
ATOM	1618	C	SER				.463	23.	280	5	.946	1.000	20.04
ATOM	1619	0	SER				.135	22.	096	5	.958	1.000	27.37
ATOM	1620	N	LEU				.711	24.	297	6	.378	1.000	21.52
ATOM	1621	CA	LEU				.414		978	6	.996	1.000	19.60
ATOM	1622	CB	LEU				.875		107		.874		18.57
MOTA	1623	CG	LEU				.762		639		.827	1.000	
ATOM	1624		LEU				.333		645		.830	1.000	
	1625		LEU				.061		779		.537	1.000	
ATOM	1626	CDZ	LEU				.436		546		.914	1.000	
MOTA			LEU				.613		659		.182	1.000	
ATOM	1627	0					.507		112		.703	1.000	
ATOM	1628	N	ILE						627		.661	1.000	
ATOM	1629	CA	ILE				.594				.352		17.06
ATOM	1630	CB	ILE				.782 .267		425 866		.483	1.000	
MOTA	1631	CG1	ILE									1.000	
ATOM	1632	CD1	ILE				1.545		686		.227		
ATOM	1633	CG2	ILE				1.150		690		.193	1.000	
ATOM	1634	С	ILE				788		150		.399	1.000	
MOTA	1635	0	ILE				.832		361		.253	1.000	
ATOM	1636	N	GLN				.049		706		.348	1.000	
MOTA	1637	CA	GLN				.361		297			1.000	
ATOM	1638	CB	GLN				.867		094		.866	1.000	
ATOM	1639	CG	GLN				.297		683		.510	1.000	
ATOM	1640	CD	GLN				.727		170		.203	1.000	
ATOM	1641	OE1	GLN	Α	223		.311		929		.325	1.000	
MOTA	1642	NE2	GLN	Α	223	11	. 677		854		.025	1.000	
ATOM	1643	С	GLN	A	223		.921		383		.245	1.000	
MOTA	1644	0	GLN	Α	223	9	.447		263		.994	1.000	
ATOM	1645	N	PHE	Α	224	10	.087	19.	878		.470	1.000	
ATOM	1646	CA	PHE	Α	224		.694	19.	074		.635	1.000	
ATOM	1647	CB	PHE	А	224	10	.163	19.	747		.918		18.59
ATOM	1648	CG	PHE	А	224	9	.767	19.	057	9	.228		14.91
ATOM	1649	CD1	PHE	Α	224	10	.211	17.	795		.547	1.000	18.83
ATOM	1650	CE1	PHE	Α	224	9	.852	17.	187		.760	1.000	
MOTA	1651	CZ	PHE	Α	224	9	.030	17.	866			1.000	
ATOM	1652	CE2	PHE	Α	224	8	.568	19.	140			1.000	
ATOM	1653	CD2	PHE	Α	224	8	.947	19.	716			1.000	
ATOM	1654	С	PHE	Α	224	8	.172	18.	890	6	.630	1.000	16.39
ATOM	1655	0	PHE	Α	224	7	.689	17.	764	6	.787	1.000	18.08
MOTA	1656	N	VAL	A	225	7	.464	20.	012	6	.459	1.000	20.25
ATOM	1657	CA	VAL			. 5	.992	19.	996	6	.408	1.000	17.55
ATOM	1658	СВ	VAL			•	.419	21.	411	6	.253	1.000	21.00
ATOM	1659		VAL				.947		344	5	.850	1.000	16.31
ATOM	1660		VAL				.626		177			1.000	
ATOM	1661	C	VAL				.512		084			1.000	
ATOM	1662	0	VAL				.671		200			1.000	
MOTA	1663	N	ARG	Α	226		.062	19.	192	4	.088	1.000	19.58

ATOM	1664	CA	ARG	Α	226		5.619	18.308	3.009	1.000	20.05
ATOM	1665	CB	ARG	Α	226		6.285	18.775	1.705	1.000	20.92
ATOM	1666	CG	ARG	Α	226		5.686	20.090	1.204	1.000	21.90
ATOM	1667	CD	ARG	Α	226		6.324	20.446	-0.145	1.000	22.66
ATOM	1668	NE	ARG	Α	226		5.564	21.504	-0.798	1.000	24.99
ATOM	1669	CZ			226		6.095	22.322	-1.697	1.000	40.94
ATOM	1670	NH1			226		7.381	22.153	-1.994	1.000	28.79
ATOM	1671	NH2			226		5.371	23.272	-2.281	1.000	30.57
ATOM	1672	C			226		5.923	16.848	3.263	1.000	17.75
ATOM	1673	0			226		5.172	15.933	2.955	1.000	19.58
ATOM	1674	N			227		7.055	16.531	3.881	1.000	19.90
ATOM	1675	CA			227		7.391	15.168	4.247	1.000	15.51
	1676				227		8.835	15.143	4.821	1.000	21.32
MOTA		CB									
ATOM	1677	OG1	THR				9.764	15.609	3.823		22.05
ATOM	1678	CG2			227		9.217	13.723	5.189		20.98
ATOM	1679	C			227		6.413	14.588	5.271	1.000	15.49
ATOM	1680	0			227		5.919	13.477	5.141	1.000	19.20
ATOM	1681	N	VAL				6.109	15.318	6.325	1.000	16.11
ATOM	1682	CA	VAL				5.143	14.927	7.341		18.46
ATOM	1683	CB	VAL				5.031	15.957	8.477		17.87
MOTA	1684	CG1					3.887	15.568	9.414	1.000	18.37
ATOM	1685		VAL				6.318	16.108	9.270		27.25
ATOM	1686	С	VAL				3.751	14.744	6.713	1.000	17.43
ATOM	1687	0	VAL	Α	228		3.112	13.723	6.983	1.000	17.33
ATOM	1688	N	ARG	Α	229		3.338	15.721	5.898	1.000	18.35
ATOM	1689	CA	ARG	Α	229		2.003	15.683	5.292	1.000	20.21
ATOM	1690	CB	ARG	Α	229		1.710	16.982	4.560	1.000	20.48
ATOM	1691	CG	ARG	Α	229		0.475	16.989	3.670	1.000	22.85
ATOM	1692	CD	ARG	Α	229	-	0.750	16.409	4.384	1.000	19.41
ATOM	1693	NE	ARG	A	229	_	1.031	17.165	5.615	1.000	19.35
ATOM	1694	CZ	ARG	Α	229	-	2.026	16.831	6.444	1.000	19.18
ATOM	1695	NH1	ARG	Α	229	-	2.773	15.784	6.097	1.000	19.75
ATOM	1696	NH2	ARG	Α	229	-:	2.266	17.508	7.550	1.000	14.67
ATOM	1697	С	ARG				1.917	14.434	4.421	1.000	25.70
ATOM	1698	0	ARG				0.933	13.683	4.482	1.000	28.00
ATOM	1699	N	ASP				2.949	14.152	3.627	1.000	23.44
ATOM	1700	CA	ASP				3.008	12.884	2.886	1.000	26.19
ATOM	1701	СВ			230		4.322	12.757	2.098	1.000	25.54
ATOM	1702	CG			230		4.325	13.611	0.845	1.000	39.61
ATOM	1703		ASP				3.251	14.111		1.000	
ATOM	1704		ASP				5.398	13.806		1.000	
ATOM	1705	C	ASP				2.880	11.659		1.000	
ATOM	1706	0	ASP				2.146	10.713		1.000	
ATOM	1707	N	TYR				3.596	11.597		1.000	
ATOM	1708	CA	TYR				3.418	10.399		1.000	
										1.000	
ATOM	1709	CB	TYR				4.351	10.385			
ATOM	1710	CG CD1	TYR				5.747	9.892		1.000	
ATOM	1711		TYR				5.992	8.543		1.000	
ATOM	1712		TYR				7.275	8.109		1.000	
ATOM	1713	CZ	TYR				3.331	8.999		1.000	
ATOM	1714	OH	TYR				9.604	8.546		1.000	
ATOM	1715	CE2	TYR	A	231	8	3.100	10.334	6.323	1.000	19.51

ATOM	1716	CD2	TYR A	231	6.819	10.771		1.000	
ATOM	1717	С	TYR A	231	1.994	10.314	6.274	1.000	26.15
ATOM	1718	0	TYR A	231	1.372	9.255	6.320	1.000	30.72
ATOM	1719	N	ILE A	232	1.503	11.467	6.729	1.000	22.90
MOTA	1720	CA	ILE A	232	0.167	11.452	7.319	1.000	24.42
ATOM	1721	СВ	ILE A	232	-0.271	12.843	7.788	1.000	28.90
ATOM	1722	CG1	ILE A	232	0.566	13.416	8.935	1.000	17.25
ATOM	1723	CD1	ILE A		0.205	14.859	9.204	1.000	22.29
ATOM	1724	CG2			-1.764	12.825		1.000	
MOTA	1725	С	ILE A	232	-0.881	10.941	6.329	1.000	26.86
ATOM	1726	0	ILE A	232	-1.758	10.140	6.669	1.000	32.19
MOTA	1727	N	ASN A	233	-0.764	11.429	5.106	1.000	25.93
ATOM	1728	CA	ASN A		-1.751	11.166	4.070	1.000	30.21
ATOM	1729	СВ	ASN A		-1.549	12.124	2.900	1.000	24.13
ATOM	1730	CG	ASN A		-2.266	13.446	3.088	1.000	31.27
ATOM	1731	OD1			-2.889	13.743	4.112	1.000	29.17
ATOM	1732	ND2	ASN A		-2.134	14.239	2.035	1.000	30.92
ATOM	1733	С	ASN A	233	-1.671	9.730	3.568	1.000	41.91
MOTA	1734	0	ASN A		-2.603	9.199	2.958	1.000	41.91
ATOM	1735	N	ARG A	234	-0.536	9.078	3.791		
ATOM	1736	CA	ARG A	234	-0.326	7.804	3.086	1.000	50.95
ATOM	1737	СВ	ARG A	234	1.109	7.725	2.547	1.000	40.12
ATOM	1738	ÇG	ARG A	234	1.343	8.844	1.545		
MOTA	1739	CD	ARG A	234	2.117	8.452		1.000	
ATOM	1740	NE	ARG A	234	2.532	9.653	-0.429		
MOTA	1741	CZ	ARG A	234	3.780	10.094	-0.506		
ATOM	1742	NH1	ARG A	234	4.774	9.450	0.100		
ATOM	1743	NH2	ARG A	234	4.041	11.192	-1.199		
ATOM	1744	С	ARG A	234	-0.696	6.676	4.029		
ATOM	1745	0	ARG A	234	-0.601	5.491	3.730		
MOTA	1746	N	SER A	235	-1.146	7.142	5.194		
ATOM	1747	CA	SER A	235	-1.664	6.224		1.000	
ATOM	1748	CB	SER A	235	-1.332	6.720		1.000	
ATOM	1749	OG	SER A	235	-2.550	7.165		1.000	
ATOM	1750	С	SER A	235	-3.184	6.066		1.000	
ATOM	1751	0	SER A	235	-3.835	6.996		1.000	
ATOM	1752	N	PRO A		-3.665	4.905	6.477		
MOTA	1753	CA	PRO A		-5.059	4.491	6.327		
ATOM	1754	CB	PRO A		-5.065	3.010		1.000	
MOTA	1755	CG	PRO A		-3.634	2.599		1.000	
ATOM	1756	CD	PRO A		-2.898	3.851		1.000	
ATOM	1757	С	PRO A		-5.975	5.258		1.000	
ATOM	1758	0	PRO A		-7.033	5.742		1.000	
ATOM	1759	N	GLY A		-5.535	5.351		1.000	
MOTA	1760	CA	GLY A		-6.297	6.108		1.000	
ATOM	1761	С	GLY A		-5.292	6.580	10.552		
ATOM	1762	0	GLY A		-4.274	5.894	10.681		
ATOM	1763	N	ALA A		-5.566	7.689	11.229		
ATOM	1764	CA	ALA A		-4.552	8.203	12.150		
MOTA	1765	CB	ALA A		-3.434	8.854	11.328		
ATOM	1766	C	ALA A		-5.070	9.174	13.195		
MOTA	1767	0	ALA A	238	-4.242	9.571	14.033	1.000	31.30

ATOM	1768	N	GLY	Α	239	-6.349	9.552	13.199		
MOTA	1769	CA	GLY	Α	239	-6.845	10.375	14.310	1.000	33.83
ATOM	1770	С	GLY	Α	239	-6.120	11.715	14.312	1.000	20.85
ATOM	1771	0	GLY	Α	239	-5.394	11.963	13.335	1.000	30.52
MOTA	1772	N	PRO	Α	240	-6.258	12.599	15.276	1.000	28.46
MOTA	1773	CA	PRO	Α	240	-5.589	13.905	15.105	1.000	23.74
MOTA	1774	CB	PRO	Α	240	-6.004	14.716	16.315	1.000	31.69
ATOM	1775	CG	PRO	Α	240	-7.078	13.958	16.996	1.000	36.41
ATOM	1776	CD	PRO	Α	240	-6.964	12.527	16.559	1.000	28.90
MOTA	1777	С	PRO	Α	240	-4.072	13.702	15.099	1.000	25.52
MOTA	1778	0	PRO	А	240	-3.538	12.739	15.647	1.000	25.98
MOTA	1779	N	THR	Α	241	-3.404	14.642	14.458	1.000	19.16
ATOM	1780	CA	THR	Α	241	-1.954	14.695	14.504	1.000	17.79
ATOM	1781	CB	THR			-1.388	15.324	13.206	1.000	16.44
ATOM	1782	OG1	THR			-1.782	14.534	12.091	1.000	18.37
ATOM	1783	CG2	THR	Α	241	0.130	15.352	13.322	1.000	18.85
ATOM	1784	С	THR			-1.547	15.547	15.690	1.000	16.03
ATOM	1785	0	THR			-2.027	16.671	15.783	1.000	14.26
MOTA	1786	N	VAL			-0.710	15.081	16.604	1.000	14.89
ATOM	1787	CA	VAL	Α	242	-0.276	15.964	17.707	1.000	12.20
ATOM	1788	CB	VAL	Α	242	0.120	15.076	18.909	1.000	15.21
MOTA	1789	CG1	VAL	Α	242	0.983	15.784	19.937	1.000	15.58
ATOM	1790	CG2	VAL	Α	242	-1.132	14.525	19.592	1.000	15.20
ATOM	1791	С	VAL	Α	242	0.896	16.806	17.253	1.000	15.62
ATOM	1792	0	VAL	Α	242	1.838	16.295	16.614	1.000	16.25
MOTA	1793	N	VAL	Α	243	0.877	18.091	17.577	1.000	13.63
ATOM	1794	CA	VAL	Α	243	1.995	18.961	17.231	1.000	14.54
ATOM	1795	СВ	VAL	Α	243	1.707	19.938	16.086	1.000	18.21
MOTA	1796	CG1	VAL	Α	243	2.970	20.692	15.648	1.000	15.88
ATOM	1797	CG2	VAL	Α	243	1.120	19.216	14.869	1.000	17.94
MOTA	1798	С	VAL	Α	243	2.377	19.709	18.502	1.000	14.26
MOTA	1799	0	VAL	Α	243	1.559	20.250	19.248	1.000	16.04
MOTA	1800	N	HIS	Α	244	3.686	19.752	18.781	1.000	17.37
MOTA	1801	CA	HIS	Α	244	4.097	20.519	19.951	1.000	14.10
ATOM	1802	CB	HIS	Α	244	4.022	19.648	21.202	1.000	15.84
ATOM	1803	CG	HIS	Α	244	5.142	18.657	21.367	1.000	17.02
ATOM	1804	ND1	HIS	Α	244	6.351	19.001	21.955	1.000	
MOTA	1805	CE1	HIS	А	244	7.130	17.936	21.988	1.000	17.38
MOTA	1806	NE2	HIS	Α	244	6.471	16.897	21.474		
MOTA	1807	CD2	HIS	Α	244	5.226	17.346	21.099		
MOTA	1808	С	HIS	Α	244	5.511	21.073	19.792		
MOTA	1809	0	HIS	Α	244	6.302	20.556	18.999		
MOTA	1810	N	CYS	Α	245	5.762	22.123	20.572		
MOTA	1811	CA	CYS			7.129	22.659	20.697		
MOTA	1812	CB	CYS	Α	245	7.258	24.015	19.998		
MOTA	1813	SG	CYS	A	245	5.939	25.207	20.299		
MOTA	1814	С	CYS			7.436	22.703	22.181		
ATOM	1815	0	CYS			7.226	21.699	22.894		
MOTA	1816	N	SER			7.888	23.809	22.751		
ATOM	1817	CA	SER			7.969	23.838	24.223		
MOTA	1818	CB	SER	A	246	9.152	24.728	24.635		
MOTA	1819	OG	SER	A	246	9.277	24.846	26.034	1.000	23.37

ATOM	1820	С	SER A	4 246	6.660	24.303	24.834 1.000 18.5	58
MOTA	1821	0	SER A	4 246	6.097	23.705	25.756 1.000 23.4	14
MOTA	1822	N	ALA A	4 247	6.105	25.428	24.344 1.000 21.3	38
ATOM	1823	CA	ALA A	247	4.834	25.878	24.909 1.000 26.8	3 4
MOTA	1824	CB	ALA A	A 247	4.815	27.397	25.044 1.000 30.9	94
ATOM	1825	С	ALA A			25.429	24.082 1.000 18.6	
ATOM	1826	0	ALA A			25.492	24.563 1.000 23.0	
ATOM	1827	N	GLY A			24.984	22.867 1.000 20.8	
ATOM	1828	CA	GLY A			24.579	21.933 1.000 24.4	
ATOM	1829	C	GLY A			25.731	21.278 1.000 30.3	
ATOM	1830	0	GLY F		0.928	25.751	20.948 1.000 32.9	
ATOM	1831	N	VAL A		2.794	26.852	21.091 1.000 21.7	
ATOM	1832	CA	VAL A			28.061	20.510 1.000 26.9	
ATOM	1833	CB	VAL F		2.214	29.257	21.504 1.000 35.4	
ATOM	1834	CG1				29.099	22.616 1.000 56.2	
ATOM	1835	CG2			3.654	29.410	22.145 1.000 24.4	
ATOM	1836	С	VAL A		2.839	28.525	19.210 1.000 22.7	
ATOM	1837	0	VAL A		2.200	28.508	18.151 1.000 26.4	
ATOM	1838	N	GLY A		4.064	29.056	19.197 1.000 24.6	
ATOM	1839	CA	GLY A		4.490	29.816	18.032 1.000 16.9	
ATOM	1840	С	GLY A		4.953	28.914	16.917 1.000 21.7	
ATOM	1841	0	GLY A		4.438	28.910	15.787 1.000 20.1	
ATOM	1842	N	ARG A		5.967	28.114	17.253 1.000 19.7	
ATOM	1843	CA	ARG A		6.512	27.182	16.284 1.000 21.2	8
ATOM	1844	CB	ARG A		7.717	26.381	16.767 1.000 26.0	
ATOM	1845	CG	ARG A	251	8.878	27.181	17.346 1.000 34.4	
ATOM	1846	CD	ARG A	251	10.132	26.322	17.479 1.000 26.2	2
ATOM	1847	NE	ARG A	251	11.199	27.043	18.161 1.000 30.5	3
ATOM	1848	CZ	ARG A	251	12.191	26.523	18.874 1.000 32.5	4
ATOM	1849	NH1	ARG A	251	12.297	25.212	19.033 1.000 22.9	8
MOTA	1850	NH2	ARG A	251	13.080	27.349	19.428 1.000 27.6	9
MOTA	1851	С	ARG A	251	5.417	26.194	15.829 1.000 22.2	3
ATOM	1852	0	ARG A	251	5.358	25.859	14.651 1.000 15.3	3
ATOM	1853	N	THR A	252	4.631	25.769	16.810 1.000 19.6	9
ATOM	1854	CA	THR A	252	3.579	24.773	16.547 1.000 20.1	6
ATOM	1855	СВ	THR A	252	2.960	24.322	17.888 1.000 22.5	
ATOM	1856	OG1	THR A		3.926	23.485	18.569 1.000 20.7	
ATOM	1857	CG2	THR A		1.709	23.474	17.699 1.000 17.4	
ATOM	1858	С	THR A		2.554	25.401	15.618 1.000 18.0	
ATOM	1859	0	THR A		2.136	24.800	14.632 1.000 19.1	
ATOM	1860	N	GLY A		2.134	26.639	15.924 1.000 17.2	
ATOM	1861	CA	GLY A		1.142	27.297	15.074 1.000 14.7	
ATOM	1862	C	GLY A		1.662	27.585	13.675 1.000 23.4	
ATOM	1863	Ö	GLY A		0.946	27.483	12.672 1.000 14.9	
ATOM	1864	N	THR A		2.940		13.575 1.000 14.5	
ATOM	1865	CA	THR A		3.601	28.145		
ATOM	1866	CB	THR A		5.014	28.741		
ATOM	1867	OG1						
		CG2	THR A		4.873	29.982	13.251 1.000 20.1	
ATOM	1868		THR A		5.694	29.043	11.221 1.000 17.0	
ATOM	1869	С	THR A		3.643	26.845	11.511 1.000 16.8	
ATOM	1870	0	THR A		3.355	26.769	10.313 1.000 17.0	
ATOM	1871	N	PHE A	255	3.981	25.701	12.162 1.000 17.8	5

MOTA	1872	CA	PHE	Α	255	3.963	24.414	11.477	1.000	13.47
MOTA	1873	CB	PHE	Α	255	4.343	23.241	12.408	1.000	13.89
ATOM	1874	CG	PHE			4.219	21.881	11.732	1.000	14.73
ATOM	1875	CD1				5.240	21.372	10.954		12.62
	1876	CE1	PHE			5.203	20.153	10.292		
ATOM						4.042	19.390	10.390		17.68
ATOM	1877	ÇZ	PHE							
ATOM	1878	CE2	PHE			3.012	19.881	11.182		13.26
MOTA	1879	CD2	PHE			3.081	21.074	11.855		16.37
MOTA	1880	С	PHE			2.554	24.154	10.899		
MOTA	1881	0	PHE	Α	255	2.385	23.771	9.748		
ATOM	1882	N	ILE	Α	256	1.557	24.332	11.785	1.000	12.97
ATOM	1883	CA	ILE	Α	256	0.188	23.972	11.333	1.000	13.95
MOTA	1884	CB	ILE			-0.779	23.954	12.523	1.000	13.52
ATOM	1885	CG1	ILE			-0.475	22.759	13.451		15.18
ATOM	1886	CD1	ILE			-1.294	22.825	14.733		
		CG2	ILE			-2.238	23.941	12.124		
ATOM	1887							10.223		
MOTA	1888	C	ILE			-0.290	24.885			
ATOM	1889	0	ILE			-0.822	24.432		1.000	
MOTA	1890	N	ALA			-0.075	26.179	10.375		13.56
MOTA	1891	CA	ALA	A	257	-0.526	27.108		1.000	
MOTA	1892	CB	ALA	Α	257	-0.232	28.522	9.818	1.000	18.20
ATOM	1893	С	ALA	A	257	0.148	26.789	8.011	1.000	17.01
ATOM	1894	0	ALA	А	257	-0.446	26.751	6.923	1.000	16.67
ATOM	1895	N	LEU			1.461	26.519	8.059	1.000	17.25
ATOM	1896	CA	LEU			2.147	26.158			17.53
ATOM	1897	СВ	LEU			3.654	26.013		1.000	
ATOM	1898	CG	LEU			4.507	25.868		1.000	
						4.222	27.003		1.000	
ATOM	1899	CD1								
MOTA	1900	CD2				5.992	25.859	6.121		18.82
ATOM	1901	C	LEU			1.622	24.850	6.248		18.92
MOTA	1902	0	LEU			1.448	24.706		1.000	
MOTA	1903	N	ASP			1.363	23.837			16.07
MOTA	1904	CA	ASP	Α	259	0.754	22.618		1.000	
MOTA	1905	CB	ASP	А	259	0.551	21.650	7.742	1.000	13.81
ATOM	1906	CG	ASP	Α	259	-0.025	20.310	7.371	1.000	17.58
MOTA	1907	OD1	ASP	A	259	0.282	19.727	6.307	1.000	16.06
ATOM	1908	OD2	ASP	Α	259	-0.800	19.817	8.233	1.000	19.09
ATOM	1909	С	ASP	Α	259	-0.574	22.893	5.858	1.000	13.42
ATOM	1910	0	ASP			-0.784	22.386	4.764	1.000	18.06
MOTA		N	ARG			-1.456			1.000	
ATOM	1912	CA	ARG			-2.741	24.034		1.000	
	1913	CB	ARG			-3.567	24.849		1.000	
ATOM						-3.970	24.009		1.000	
ATOM	1914	CG	ARG							
MOTA	1915	CD	ARG			-4.923	24.884		1.000	
ATOM	1916	NE	ARG			-6.158	25.124		1.000	
ATOM	1917	CZ	ARG			-7.185	25.786		1.000	
MOTA	1918		ARG			-7.082	26.236		1.000	
ATOM	1919	NH2	ARG	A	260	-8.288	25.988		1.000	
MOTA	1920	С	ARG	Α	260	-2.523	24.808	4.549	1.000	19.93
ATOM	1921	0	ARG	A	260	-3.148	24.535	3.519	1.000	17.22
MOTA	1922	N	ILE			-1.618	25.791	4.553	1.000	16.11
ATOM	1923	CA	ILE			-1.516	26.628	3.338	1.000	17.32

ATOM	1924	CB	ILE	Α	261	-0.841	27.994	3.615	1.000	21.93
ATOM	1925	CG1	ILE	Α	261	0.658	27.969	3.875	1.000	27.34
ATOM	1926	CD1	ILE	Α	261	1.186	29.227	4.546	1.000	33.86
ATOM	1927	CG2	ILE			-1.581	28.703	4.758	1.000	18.92
ATOM	1928	C	ILE			-0.851	25.876	2.216	1.000	20.48
ATOM	1929	Ö	ILE			-1.226	26.009	1.034	1.000	
ATOM	1930	N	LEU			0.143	25.028	2.509		
	1931	CA	LEU			0.737	24.302		1.000	
ATOM			LEU			1.975	23.501	1.820	1.000	
ATOM	1932	CB	LEU			3.194	24.340	2.240	1.000	
ATOM	1933	CG				4.319	23.422	2.693	1.000	
ATOM	1934	CD1								
MOTA	1935		LEU			3.634	25.246	1.085	1.000	
ATOM	1936	С	LEU			-0.280	23.362		1.000	
ATOM	1937	0	LEU			-0.261	23.155	-0.436		
ATOM	1938	N	GLN			-1.139	22.759		1.000	
MOTA	1939	CA	GLN			-2.241	21.952		1.000	
ATOM	1940	CB	GLN	А	263	-3.050	21.287		1.000	
ATOM	1941	CG	GLN	Α	263	-2.289	20.167		1.000	
MOTA	1942	CD	GLN	Α	263	-3.138	19.572	4.012	1.000	
ATOM	1943	OE1	GLN	Α	263	-3.928	18.638	3.850		
MOTA	1944	NE2	GLN	Α	263	-2.956	20.185	5.176	1.000	17.87
ATOM	1945	С	GLN	Α	263	-3.138	22.833	0.183		13.70
ATOM	1946	0	GLN			-3.554	22.415	-0.904	1.000	24.55
ATOM	1947	N	GLN			-3.444	24.043	0.641	1.000	15.00
ATOM	1948	CA	GLN			-4.260	24.907	-0.217		
MOTA	1949	CB	GLN			-4.553	26.223	0.485		26.53
ATOM	1950	CG	GLN			-5.586	26.136	1.595	1.000	29.68
ATOM	1951	CD	GLN			-5.638	27.472	2.328		
ATOM	1952	OE1	GLN			-5.197	28.482	1.781		
ATOM	1953	NE2	GLN			-6.154	27.458	3.550	1.000	
MOTA	1954	C	GLN			-3.583	25.159	-1.559		
	1955	0	GLN			-4.225	25.050	-2.610		
MOTA			LEU			-2.293	25.490	-1.552		
MOTA	1956	N				-1.536	25.721	-2.771		
ATOM	1957	CA	LEU				26.053	-2.420		
ATOM	1958	CB	LEU			-0.067	27.420			
ATOM	1959	CG	LEU			0.195		-1.807 -1.734		26.97
ATOM	1960		LEU			1.682	27.725		1.000	
MOTA	1961		LEU			-0.519	28.505	-2.613 -3.735		
ATOM	1962	С	LEU			-1.541	24.553			
MOTA	1963	0	LEU			-1.324		-4.947		
ATOM	1964	N	ASP			-1.767	23.324	-3.273		
ATOM	1965	CA	ASP			-1.801	22.167	-4.139		
MOTA	1966	CB	ASP			-1.173	20.917	-3.509		
ATOM	1967	CG	ASP			0.336	21.022	-3.334		
MOTA	1968	OD1	ASP	Α	266	0.957	21.963	-3.836		
ATOM	1969	OD2	ASP	Α	266	0.899	20.138	-2.658		
MOTA	1970	С	ASP	A	266	-3.227	21.776	-4.570		
ATOM	1971	0	ASP			3.354	20.825	-5.337		
ATOM	1972	N	SER			-4.231	22.487	-4.092	1.000	22.55
ATOM	1973	CA	SER			-5.619	22.129	-4.359	1.000	24.11
ATOM	1974	CB	SER			-6.289	21.776	-3.019	1.000	23.25
ATOM	1975	OG	SER			-6.418	20.374	-2.892		

ATOM	1976	С	SER	Α	267	-6	.419	23.23	5	-5.033	1.000	19.22
MOTA	1977	0	SER	A	267	-7	.300	22.943	1	-5.859	1.000	20.89
ATOM	1978	N	LYS	A	268	-6	.137	24.463	3	-4.684	1.000	21.22
MOTA	1979	CA	LYS	Α	268	-6	.907	25.62	4	-5.091	1.000	30.13
MOTA	1980	CB	LYS	A	268	-7	.595	26.250	3	-3.869	1.000	24.53
ATOM	1981	CG	LYS	Α	268	-8	.563	25.30	4	-3.175	1.000	30.56
ATOM	1982	CD	LYS	Α	268	-8	.969	25.910	0	-1.838	1.000	28.63
MOTA	1983	CE	LYS	Α	268	-10	.158	26.83	4	-1.992	1.000	29.96
ATOM	1984	NZ	LYS			-10	.686	27.208	8	-0.641	1.000	30.06
ATOM	1985	С	LYS	Α	268	-6	.095	26.73	7	-5.735	1.000	30.67
MOTA	1986	0	LYS	Α	268	-4	.872	26.833	3	-5.660	1.000	23.21
ATOM	1987	N	ASP				.834	27.650	0	-6.387	1.000	26.00
ATOM	1988	CA	ASP				.096	28.750	0	-7.019	1.000	24.51
MOTA	1989	CB	ASP				.616	28.978	3	-8.444	1.000	36.81
ATOM	1990	CG	ASP				.072	29.33		-8.608	1.000	32.33
ATOM	1991	OD1	ASP				.854	29.152		-7.660	1.000	26.79
MOTA	1992	OD2					.465	29.822		-9.701	1.000	28.81
ATOM	1993	C	ASP				.126	30.000		-6.165	1.000	
ATOM	1994	Ö	ASP				.857	31.12		-6.623	1.000	
ATOM	1995	N	SER				.434	29.84		-4.867	1.000	
ATOM	1996	CA	SER				.204	30.978		-3.973	1.000	
ATOM	1997	СВ	SER				.455	31.809		-3.722	1.000	
ATOM	1998	OG	SER				.466	31.04			1.000	
ATOM	1999	C	SER				.632	30.493		-2.626	1.000	
ATOM	2000	Ö	SER				.828	29.319		-2.334	1.000	
ATOM	2001	N	VAL				.000	31.39		-1.910	1.000	
ATOM	2002	CA	VAL				.413	31.06		-0.596	1.000	
ATOM	2003	CB	VAL				.876	31.020		-0.706	1.000	
ATOM	2004	CG1	VAL				.305	32.413		-0.921	1.000	
ATOM	2005	CG2	VAL				.233	30.370		0.514	1.000	
ATOM	2006	C	VAL				.845	32.05		0.464	1.000	
ATOM	2007	0	VAL				.012	33.25		0.241	1.000	
ATOM	2008	N	ASP				.046	31.54			1.000	
ATOM	2009	CA	ASP				.591	32.42		2.728	1.000	
ATOM	2010	CB	ASP				.070	32.09		2.910	1.000	
ATOM	2011	CG	ASP				.813	32.99		3.869	1.000	
MOTA	2012		ASP				.274	34.038		4.288	1.000	
ATOM	2013	OD2	ASP				.973	32.599		4.175	1.000	
ATOM	2014	C	ASP				.807	32.25			1.000	
MOTA	2015	0	ASP				.200	31.53			1.000	
ATOM	2016	N	ILE				.661	32.93			1.000	
ATOM	2017	CA	ILE				.806	32.829			1.000	
MOTA	2018	CB	ILE				.436	33.46			1.000	
ATOM	2019	CG1						32.812			1.000	
ATOM	2020	CD1					.498	33.58			1.000	
MOTA	2020	CG2					.532	33.45			1.000	
	2021	C	ILE				.472	33.45			1.000	
ATOM	2022	0	ILE				.470	32.853			1.000	
ATOM	2023	N	TYR				.038	34.646			1.000	
ATOM ATOM	2024	CA	TYR				.765	35.332			1.000	
ATOM	2025	CB	TYR				.414	36.64			1.000	
ATOM	2027	CG	TYR				.110	37.456			1.000	
AION	2021	CG	T T 1/	п	417	.0	• + + 0	5,.45	_	,	1.500	

MOTA	2028	CD1	TYR	Α	274	-7.427	37.236		1.000	
MOTA	2029	CE1	TYR	Α	274	-8.040	37.979	9.328	1.000	
ATOM	2030	CZ	TYR	Α	274	-7.346	39.009	9.937	1.000	24.82
MOTA	2031	OH	TYR	Α	274	-7.979	39.740	10.919	1.000	31.02
MOTA	2032	CE2	TYR	Α	274	-6.040	39.266	9.571	1.000	
ATOM	2033	CD2	TYR	Α	274	-5.435	38.503		1.000	
MOTA	2034	С	TYR	Α	274	-5.834	34.413	7.922	1.000	22.02
ATOM	2035	0	TYR	Α	274	-5.962	34.308	9.150	1.000	23.59
ATOM	2036	N	GLY	Α	275	-6.642	33.818	7.042	1.000	19.06
ATOM	2037	CA	GLY	Α	275	-7.741	32.997	7.563	1.000	18.44
ATOM	2038	С	GLY	Α	275	-7.221	31.755	8.284	1.000	18.35
MOTA	2039	0	GLY	Α	275	-7.789	31.310	9.278	1.000	20.87
ATOM	2040	N	ALA			-6.123	31.168	7.823	1.000	19.89
ATOM	2041	CA			276	-5.591	30.008	8.560	1.000	22.21
ATOM	2042	СВ	ALA			-4.480	29.371	7.758	1.000	17.74
ATOM	2043	C	ALA			-5.091	30.429	9.932	1.000	24.08
ATOM	2044	0	ALA			-5.321	29.770	10.938	1.000	19.77
ATOM	2045	N	VAL			-4.390		10.019	1.000	18.02
MOTA	2046	CA	VAL			-3.912		11.353		17.46
ATOM	2047	СВ			277	-2.831		11.246		21.08
ATOM	2048		VAL			-2.405		12.631		21.06
ATOM	2049		VAL			-1.645		10.467		16.97
ATOM	2050	C	VAL			-5.084	32.426	12.205		20.56
ATOM	2051	0	VAL			-5.142	32.112	13.390		18.55
ATOM	2052	N	HIS			-6.044	33.156	11.644	1.000	
MOTA	2053	CA	HIS			-7.281	33.470	12.314		
ATOM	2054	СВ	HIS			-8.297		11.303		
ATOM	2055	CG			278	-9.520		12.036		
ATOM	2056		HIS			-10.626		12.252	1.000	
ATOM	2057	CE1	HIS			-11.535		12.925		
ATOM	2058		HIS			-11.055	35.656	13.150		
ATOM	2059		HIS			-9.801	35.745	12.602		
MOTA	2060	C	HIS			-7.924	32.254	12.971		19.90
ATOM	2061	Ö	HIS			-8.255	32.244	14.165		22.96
ATOM	2062	N			279	-8.105		12.180		
ATOM	2063	CA	ASP			-8.742		12.711		23.67
ATOM	2064	CB			279	-8.995		11.565	1.000	
ATOM	2065	CG	ASP			-10.100		10.669	1.000	50.27
ATOM	2066		ASP			-10.713		11.074		
MOTA	2067		ASP			-10.315		9.582	1.000	44.55
ATOM	2068	C	ASP			-7.914		13.811		
ATOM	2069	Ö			279	-8.488		14.806		
ATOM	2070	N			280	-6.595		13.681		
ATOM	2071	CA			280	-5.777		14.760		
MOTA	2072	CB	LEU			-4.307		14.339		
ATOM	2073	CG	LEU			-3.998	27.877	13.066		
MOTA	2074		LEU			-2.505		12.743		
ATOM	2075		LEU			-4.512		13.134		
ATOM	2076	CDZ	LEU			-5.928		16.041		
ATOM	2077	0	LEU			-6.048		17.142		
ATOM	2077	N	ARG			-5.940		15.909		
MOTA	2079	CA			281	-6.048		17.064		
AT OLI	4013	CA	היינים	1.7	201	0.040	32.130	1,1001		

MOTA	2080	CB	ARG	Α	281	-5.937	33.220	16.611		
MOTA	2081	CG	ARG	A	281	-4.518	33.577	16.185		
ATOM	2082	CD	ARG	Α	281	-3.551	33.775	17.350	1.000	20.13
ATOM	2083	NE	ARG	Α	281	-2.333	34.410	16.826	1.000	22.94
MOTA	2084	CZ	ARG	Α	281	-2.155	35.711	16.631	1.000	25.63
ATOM	2085	NH1	ARG	Α	281	-3.096	36.606	16.909	1.000	26.26
ATOM	2086	NH2	ARG			-0.990	36.116	16.136	1.000	24.35
MOTA	2087	С	ARG			-7.348	31.512	17.810		
ATOM	2088	Ö	ARG			-7.399	31.612	19.040		16.51
ATOM	2089	N	LEU			-8.411	31.197	17.055		14.33
MOTA	2090	CA	LEU			-9.670	30.904	17.725		
ATOM	2091	CB	LEU			-10.750	30.565	16.690	1.000	
	2092	CG	LEU			-11.369	31.764	15.966		
ATOM		CD1				-12.445	31.274	15.006		
MOTA	2093						32.785	16.951		25.11
ATOM	2094	CD2				-11.916		18.673		
ATOM	2095	С	LEU			- 9.567	29.715	19.622		
MOTA	2096	0	LEU			-10.343	29.644			
ATOM	2097	N	HIS			-8.652	28.771	18.444		
ATOM	2098	CA	HIS			-8.655	27.556	19.262		
ATOM	2099	CB	HIS			-8.585	26.315	18.339		
ATOM	2100	CG	HIS			-9.761	26.332	17.393	1.000	
ATOM	2101		HIS			-10.931	25.651	17.625		
ATOM	2102		HIS			-11.785	25.866	16.626		
ATOM	2103		HIS			-11.210	26.665	15.743		
ATOM	2104	CD2	HIS	Α	283	-9.959	26.969	16.216		
ATOM	2105	С	HIS	A	283	- 7.541	27.484	20.301	1.000	17.70
ATOM	2106	0	HIS	Α	283	-7.668	26.724	21.286		
ATOM	2107	N	ARG	Α	284	-6.460	28.254	20.155	1.000	18.34
ATOM	2108	CA	ARG	Α	284	-5.462	28.288	21.252	1.000	17.74
ATOM	2109	CB	ARG	Α	284	-4.494	27.114	21.172	1.000	
MOTA	2110	CG	ARG	Α	284	-3.445	26.954	22.275	1.000	18.29
ATOM	2111	CD	ARG	А	284	-2.651	25.656	22.082	1.000	20.72
ATOM	2112	NE	ARG	Α	284	-1.458	25.545	22.957	1.000	15.01
MOTA	2113	CZ	ARG	A	284	-1.489	25.046	24.189	1.000	14.81
ATOM	2114	NH1				-2.637	24.611	24.697	1.000	14.36
ATOM	2115	NH2	ARG			-0.419	24.947	24.977	1.000	17.97
ATOM	2116	С	ARG	Α	284	-4.746	29.631	21.220	1.000	19.40
ATOM	2117	0	ARG			-4.570	30.222		1.000	18.68
ATOM	2118	N	VAL			-4.331	30.137	22.382	1.000	20.56
MOTA			VAL			-3.577		22.467	1.000	19.97
ATOM	2120	СВ	VAL			-3.329	31.773	23.942		
ATOM	2121		VAL			-2.329	30.829	24.584		
ATOM	2122		VAL			-2.811	33.203	24.085		
ATOM	2123	C	VAL			-2.259	31.298	21.714		
ATOM	2124	0	VAL			-1.641	30.232	21.618		
ATOM	2125	N	HIS			-1.814	32.423	21.166		
			HIS			-0.537	32.572	20.510		
ATOM	2126	CA CB	HIS			0.610	32.372	21.518		
ATOM	2127		HIS			0.534	33.321	22.640		
ATOM	2128	CG						23.966		
ATOM	2129		HIS			0.673	32.943			
ATOM	2130		HIS			0.544	34.024	24.711		
ATOM	2131	NE2	HIS	A	286	0.333	35.065	23.927	1.000	32.30

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MOTA	2132	CD2	HIS	A	286	0.312	34.647	22.624 1.000 25.03	
MOTA	2133	С	HIS	Α	286	-0.272	31.626	19.358 1.000 21.57	
MOTA	2134	0	HIS	Α	286	0.915	31.389	19.095 1.000 27.54	Ĺ
MOTA	2135	N	MET	Α	287	-1.298	31.074	18.700 1.000 20.51	L
ATOM	2136	CA	MET	Α	287	-1.005	30.215	17.540 1.000 17.32	?
MOTA	2137	СВ	MET			-2.248	29.446	17.099 1.000 15.20)
MOTA	2138	CG	MET			-2.726	28.475	18.174 1.000 18.71	L
ATOM	2139	SD	MET			-1.588	27.070	18.339 1.000 23.88	
ATOM	2140	CE			287	-2.087	26.118	16.902 1.000 40.45	
ATOM	2141	C	MET			-0.449	31.093	16.419 1.000 19.40	
ATOM	2142	0	MET			-1.200	31.865	15.805 1.000 23.59	
ATOM	2142	N	VAL			0.842	30.986	16.169 1.000 18.22	
	2143	CA	VAL			1.568	31.941	15.322 1.000 22.64	
MOTA	2144		VAL			0.926	32.326	13.986 1.000 17.14	
MOTA		CB				1.879	33.209	13.183 1.000 23.13	
ATOM	2146	CG1	VAL					13.159 1.000 21.03	
ATOM	2147	CG2	VAL			0.607	31.099	16.211 1.000 25.94	
ATOM	2148	C	VAL			1.718	33.186		
MOTA	2149	0	VAL			0.851	34.046		
MOTA	2150	N	GLN			2.824	33.161	16.945 1.000 27.43	
ATOM	2151	CA			289	3.003	34.056	18.091 1.000 24.77	
MOTA	2152	CB			289	3.839	33.286	19.112 1.000 23.16	
ATOM	2153	CG	GLN			4.041	33.984	20.443 1.000 22.98	
MOTA	2154	CD			289	4.639	33.050	21.469 1.000 24.02	
MOTA	2155	OE1	GLN			5.224	32.012	21.115 1.000 27.34	
MOTA	2156	NE2	GLN			4.479	33.454	22.716 1.000 30.58	
MOTA	2157	С	GLN			3.664	35.376	17.751 1.000 28.02	
ATOM	2158	0	GLN	A	289	3.430	36.375	18.436 1.000 35.00	
MOTA	2159	N	THR	Α	290	4.492	35.409	16.717 1.000 22.20	
ATOM	2160	CA	THR	А	290	5.169	36.667	16.419 1.000 24.68	}
MOTA	2161	CB	THR	А	290	6.682	36.492	16.619 1.000 25.80)
MOTA	2162	OG1	THR	Α	290	7.133	35.616	15.579 1.000 22.41	
ATOM	2163	CG2	THR	Α	290	7.012	35.803	17.932 1.000 28.39)
MOTA	2164	С	THR	Α	290	4.964	37.120	14.984 1.000 35.97	1
MOTA	2165	0	THR	Α	290	4.668	36.327	14.090 1.000 25.80)
ATOM	2166	N	GLU	Α	291	5.148	38.416	14.746 1.000 29.48	}
MOTA	2167	CA	GLU	Α	291	5.038	38.965	13.403 1.000 28.57	1
ATOM	2168	СВ	GLU	Α	291	5.285	40.473	13.478 1.000 29.75	ĵ
MOTA	2169	CG	GLU	Α	291	5.073	41.210	12.184 1.000 39.81	_
ATOM	2170	CD	GLU			4.812	42.699	12.387 1.000 39.37	1
MOTA	2171		GLU			4.858	43.418	11.371 1.000 42.29)
ATOM	2172		GLU			4.556	43.148	13.519 1.000 40.22	
ATOM	2173	C	GLU			6.029	38.283	12.484 1.000 23.04	
ATOM	2174	0	GLU			5.824	37.994	11.304 1.000 23.87	
ATOM	2175	N	CYS			7.200	37.987	13.054 1.000 24.91	
ATOM	2176	CA	CYS			8.230	37.313	12.255 1.000 20.83	
ATOM	2177	CB	CYS			9.434	37.106	13.178 1.000 33.84	
ATOM	2178	SG	CYS			10.875	36.380	12.364 1.000 50.67	
	2179	C	CYS			7.777	35.977	11.679 1.000 25.36	
ATOM			CYS			8.056	35.544	10.549 1.000 26.36	
ATOM	2180	O N	GLN			7.024	35.250	12.515 1.000 23.19	
ATOM	2181	N				6.425	33.230	12.069 1.000 23.19	
ATOM	2182	CA	GLN			5.779	33.269	13.256 1.000 20.65	
MOTA	2183	СВ	GLN	A	233	5.119	33.203	13.230 1.000 20.03	•

MOTA	2184	CG	GLN	Α	293	6	.783	32.437	14.036	1.000	20.24
ATOM	2185	CD	GLN	Α	293	6	.355	32.071	15.433	1.000	17.59
ATOM	2186	OE1	GLN	Α	293	5	.282	32.450	15.901	1.000	18.69
ATOM	2187	NE2	GLN	Α	293		.203	31.336	16.150		
ATOM	2188	С	GLN	Α	293		.400	34.266	10.967		
ATOM	2189	0			293		.398	33.582	9.954	1.000	
ATOM	2190	N			294		.522	35.253	11.178	1.000	
ATOM	2191	CA			294		.526	35.600	10.153	1.000	
ATOM	2192	CB			294		.680	36.758	10.698		19.00
	2193	CG			294				9.943		
ATOM		CD1			294		.392	36.980			21.07
ATOM	2194						.438	35.986	9.843		19.94
ATOM	2195	CE1			294		.747	36.155	9.158		25.08
ATOM	2196	CZ			294		.978	37.374	8.547	1.000	34.68
ATOM	2197	OH			294		.148	37.565	7.856	1.000	
MOTA	2198	CE2			294		.047	38.385	8.622	1.000	
ATOM	2199	CD2			294		.129	38.197	9.316		23.82
MOTA	2200	С			294		.202	35.931	8.834	1.000	24.14
MOTA	2201	0			294		.860	35.493	7.737	1.000	23.97
MOTA	2202	N	VAL	Α	295	5	.254	36.744	8.919		25.60
ATOM	2203	CA	VAL	Α	295	6	.065	37.085	7.762	1.000	26.06
ATOM	2204	CB	VAL	Α	295	7	.222	38.039	8.161	1.000	22.22
ATOM	2205	CG1	VAL	Α	295	8	.189	38.107	6.995	1.000	24.48
ATOM	2206	CG2	VAL	Α	295	6.	. 668	39.400	8.553	1.000	22.52
ATOM	2207	С	VAL	Α	295	6	.648	35.853	7.111	1.000	20.01
ATOM	2208	0	VAL	Α	295	6.	. 582	35.637	5.897	1.000	23.07
ATOM	2209	N	TYR	Α	296		. 233	34.941	7.888	1.000	
ATOM	2210	CA	TYR				.779	33.698	7.342	1.000	
ATOM	2211	CB	TYR				.307	32.873	8.528	1.000	
ATOM	2212	CG	TYR				.099	31.652	8.140	1.000	
ATOM	2213	CD1	TYR				.343	31.723	7.536	1.000	
ATOM	2214	CE1	TYR				044	30.582	7.188	1.000	
ATOM	2215	CZ	TYR				500	29.338	7.451	1.000	
ATOM	2216	OH	TYR				171	28.185	7.115	1.000	
ATOM	2217	CE2	TYR				263	29.241	8.048	1.000	
ATOM	2218	CD2	TYR				570	30.384	8.389	1.000	
ATOM	2219	C	TYR				802	32.832	6.546	1.000	
ATOM	2220	0	TYR				163	32.193	5.540	1.000	
ATOM	2221	N	LEU				555	32.742	6.984	1.000	21.48
ATOM	2222	CA	LEU				501			1.000	
								32.003			16.66
ATOM	2223	CB	LEU				186	31.985		1.000	
ATOM	2224	CG	LEU				215	31.148		1.000	
ATOM	2225		LEU				035	31.495		1.000	
ATOM	2226		LEU				299	29.668		1.000	
ATOM	2227	С	LEU				276	32.654	4.904		
ATOM	2228	0	LEU				156	31.967	3.898	1.000	
ATOM	2229	N	HIS				256	33.978		1.000	
ATOM	2230	CA	HIS				152	34.678		1.000	
ATOM	2231	CB	HIS				950	36.157		1.000	
ATOM	2232	CG	HIS	Α	298		562	36.496		1.000	
ATOM	2233	ND1	HIS	Α	298	2.	118	36.313	5.625	1.000	22.98
ATOM	2234	CE1	HIS	Α	298	0.	865	36.709	5.744	1.000	24.82
ATOM	2235	NE2	HIS	Α	298	0.	470	37.141	4.565	1.000	27.56

ATOM	2236	CD2			298	1.512	37.022	3.673	1.000	23.83
ATOM	2237	С	HIS	Α	298	5.379	34.412	2.785	1.000	20.56
ATOM	2238	0	HIS	Α	298	5.260	34.132	1.597	1.000	21.25
ATOM	2239	N	GLN	Α	299	6.602	34.457	3.323	1.000	24.45
ATOM	2240	CA	GLN	Α	299	7.767	34.186	2.484	1.000	23.57
MOTA	2241	CB	GLN	Α	299	9.094	34.286	3.248	1.000	24.20
ATOM	2242	CG	GLN	Α	299	9.618	35.701	3.344	1.000	38.95
ATOM	2243	CD	GLN	A	299	10.513	35.927	4.544		41.27
ATOM	2244	OE1			299	10.525	35.111	5.469		47.05
ATOM	2245	NE2	GLN	Α	299	11.230	37.044	4.501		36.99
ATOM	2246	С			299	7.706	32.790	1.911		17.62
ATOM	2247	0			299	8.136	32.450	0.809		25.21
ATOM	2248	N			300	7.152	31.871	2.733		23.78
ATOM	2249	CA			300	7.113	30.506	2.245		15.17
ATOM	2250	CB	CYS		300	6.555	29.579	3.330		26.74
ATOM	2251	SG			300	7.710	29.138	4.647		25.71
ATOM	2252	C			300	6.212	30.350	1.023		
ATOM	2253	0			300	6.539	29.695	0.050		24.33
ATOM	2254	N			301	5.033	30.956	1.118		22.72
ATOM	2255	CA			301	4.112	30.918	-0.014		22.06
ATOM	2256	СВ			301	2.771	31.522	0.407		23.59
ATOM	2257	CG1				1.869	31.780		1.000	
ATOM	2258		VAL			2.103	30.549		1.000	
ATOM	2259	С			301	4.739	31.650		1.000	
ATOM	2260	Ō	VAL			4.684	31.075	-2.300		
ATOM	2261	N	ARG			5.299	32.832			30.33
ATOM	2262	CA			302	5.937	33.614	-2.013	1.000	
ATOM	2263	СВ	ARG			6.701	34.808	-1.462		
ATOM	2264	CG	ARG			7.324	35.658			39.21
ATOM	2265	CD	ARG			8.529	36.449			43.43
ATOM	2266	NE	ARG			9.554	35.568			37.14
ATOM	2267	CZ	ARG			10.329	35.931		1.000	
ATOM	2268	NH1	ARG			10.197	37.132		1.000	
ATOM	2269		ARG			11.233	35.083	-0.027		50.68
ATOM	2270	С	ARG	Α	302	6.895	32.701	-2.764		32.29
MOTA	2271	0	ARG			6.982	32.557	-3.972		31.68
MOTA	2272	N	ASP	Α	303	7.670	31.982	-1.931		27.62
ATOM	2273	CA	ASP	Α	303	8.736	31.200	-2.547	1.000	23.05
MOTA	2274	CB	ASP	A	303	9.749	30.722	-1.496	1.000	29.94
ATOM	2275	CG	ASP	Α	303	10.561	31.886	-0.934	1.000	
MOTA	2276	OD1	ASP	Α	303	10.575	33.000	-1.513	1.000	37.48
MOTA	2277	OD2	ASP	Α	303	11.207	31.698		1.000	
ATOM	2278	С	ASP			8.159	30.064	-3.366	1.000	32.89
ATOM	2279	0	ASP	Α	303	8.647	29.887	-4.490		
MOTA	2280	N	VAL	Α	304	7.167	29.345	-2.844	1.000	30.50
ATOM	2281	CA	VAL	Α	304	6.548	28.260	-3.598		
ATOM	2282	CB	VAL	Α	304	5.491	27.493	-2.783	1.000	27.62
ATOM	2283	CG1	VAL	Α	304	4.652	26.589	-3.669		
ATOM	2284	CG2	VAL			6.165	26.665	-1.692		
ATOM	2285	С	VAL	Α	304	5.884	28.774		1.000	
ATOM	2286	0	VAL			6.042	28.169	-5.933		
MOTA	2287	N	LEU	А	305	5.140	29.874	-4.827	1.000	27.71

ATOM 2288 CA LEU A 305											
ATOM 2290 CG LEU A 305	MOTA	2288	CA	LEU	Α	305	4.558	30.400	-6.073	1.000	29.38
ATOM 2290 CG LEU A 305 1.344 32.082 -4.643 1.000 31.50 ATOM 2291 CD LEU A 305 1.344 32.082 -4.643 1.000 31.50 ATOM 2292 CD LEU A 305 1.810 29.740 -5.458 1.000 27.65 ATOM 2293 C LEU A 305 5.606 30.942 -7.043 1.000 39.73 ATOM 2295 N ARG A 306 5.607 30.942 -7.043 1.000 39.73 ATOM 2295 N ARG A 306 6.644 31.587 -6.500 1.000 30.15 ATOM 2296 CA ARG A 306 7.696 32.191 -7.303 1.000 41.94 ATOM 2297 CB ARG A 306 8.843 32.195 -6.443 1.000 44.94 ATOM 2298 CG ARG A 306 9.589 33.889 -7.052 1.000 39.22 ATOM 2299 CD ARG A 306 10.448 34.547 -5.655 1.000 52.78 ATOM 2300 NE ARG A 306 10.448 34.547 -5.580 1.000 52.78 ATOM 2301 C2 ARG A 306 10.606 36.671 -4.767 1.000 54.00 ATOM 2303 NH1 ARG A 306 11.714 36.247 -4.169 1.000 67.01 ATOM 2303 NH2 ARG A 306 11.0130 37.875 -4.496 1.000 46.01 ATOM 2303 NH2 ARG A 306 11.0130 37.875 -4.496 1.000 46.01 ATOM 2305 O ARG A 307 8.569 30.025 -7.699 1.000 31.66 ATOM 2307 CA ALA A 307 8.569 30.025 -7.699 1.000 31.66 ATOM 2308 CB ALA A 307 8.569 30.025 -7.699 1.000 31.66 ATOM 2309 C ALA A 307 8.596 30.025 -7.699 1.000 23.60 ATOM 2309 C ALA A 307 8.599 28.861 -9.331 1.000 26.10 ATOM 2311 N ARG A 308 6.308 28.189 -9.381 1.000 26.10 ATOM 2311 N ARG A 308 7.102 27.762 -9.042 1.000 52.74 ATOM 2312 CA ARG A 308 4.116 24.969 -7.233 1.000 26.10 ATOM 2313 CB ARG A 308 4.116 24.969 -7.233 1.000 26.10 ATOM 2311 N ARG A 308 4.116 24.969 -7.233 1.000 26.10 ATOM 2312 CA ARG A 308 4.116 24.969 -7.233 1.000 26.10 ATOM 2313 CB ARG A 308 4.116 24.969 -7.233 1.000 26.10 ATOM 2314 CG ARG A 308 4.116 24.969 -7.233 1.000 26.10 ATOM 2315 CD ARG A 308 4.116 24.969 -7.233 1.000 26.10 ATOM 2316 NE ARG A 308 4.116 24.969 -7.233 1.000 26.10 ATOM 2317 CZ ARG A 308 4.116 24.969 -7.233 1.000 26.10 ATOM 2318 NH1 ARG A 308 4.116 24.969 -7.233 1.000 26.10 ATOM 2319 NH2 ARG A 308 4.116 24.969 -7.233 1.000 26.10 ATOM 2310 CD ARG A 308 4.116 24.969 -7.234 1.000 55.74 ATOM 2311 N ARG A 308 4.116 24.969 -7.235 1.000 55.74 ATOM 2321 CD ARG A 308 4.116 24.969 -7.232 1.000 48.91 ATOM 2322 CD LYS A 309 6.155 28.565 -11.523 1.000 48.91 ATOM 23	ATOM	2289	СВ	LEU	A	305	3.555	31.506	-5.706	1.000	38.16
ATOM 2291 CD1 LEU A 305							2.392	31.001	-4.830	1.000	35.13
ATOM 2293 CD2 LEU A 305											31.50
ATOM 2293 C LEU A 305 5.606 30.942 -7.043 1.000 39.73 ATOM 2295 N ARG A 306 6.644 31.587 -6.500 1.000 30.15 ATOM 2295 N ARG A 306 6.644 31.587 -6.500 1.000 30.15 ATOM 2296 CA ARG A 306 7.696 32.191 -7.303 1.000 41.94 ATOM 2297 CB ARG A 306 9.589 33.889 -7.052 1.000 39.22 ATOM 2298 CG ARG A 306 9.589 33.889 -7.052 1.000 39.22 ATOM 2299 CD ARG A 306 10.448 34.547 -5.980 1.000 42.72 ATOM 2300 NE ARG A 306 10.448 34.547 -5.980 1.000 52.78 ATOM 2301 CZ ARG A 306 10.606 36.671 -4.767 1.000 54.00 ATOM 2302 NH1 ARG A 306 11.714 36.247 -4.169 1.000 67.12 ATOM 2303 NH2 ARG A 306 11.714 36.247 -4.169 1.000 67.12 ATOM 2304 C ARG A 306 8.287 31.172 -8.271 1.000 29.94 ATOM 2305 O ARG A 306 8.462 31.437 -9.450 1.000 37.35 ATOM 2308 CB ALA A 307 8.569 30.025 -7.699 1.000 31.66 ATOM 2308 CB ALA A 307 9.158 28.861 -8.317 1.000 23.60 ATOM 2309 C ALA A 307 9.447 27.819 -7.233 1.000 26.10 ATOM 2301 O ALA A 307 8.769 30.025 -7.699 1.000 44.35 ATOM 2310 O ALA A 307 8.799 28.044 -10.499 1.000 44.35 ATOM 2311 N ARG A 308 6.308 26.829 -9.829 1.000 54.48 ATOM 2312 CA ARG A 308 6.308 26.829 -9.829 1.000 54.48 ATOM 2313 CB ARG A 308 4.971 26.558 -9.115 1.000 55.91 ATOM 2316 NE ARG A 308 6.308 26.829 -9.829 1.000 54.48 ATOM 2317 CZ ARG A 308 4.116 24.969 -7.233 1.000 26.10 ATOM 2318 NE ARG A 308 4.971 26.558 -9.115 1.000 55.91 ATOM 2319 NH2 ARG A 308 4.971 26.558 -9.115 1.000 55.91 ATOM 2311 N ARG A 308 4.971 26.558 -9.115 1.000 55.91 ATOM 2312 CA ARG A 308 4.971 26.558 -9.115 1.000 55.91 ATOM 2313 CB ARG A 308 4.971 26.558 -9.125 1.000 54.48 ATOM 2314 CG ARG A 308 5.194 33.994 -12.859 1.000 54.48 ATOM 2315 CD ARG A 308 5.807 27.726 -11.523 1.000 55.91 ATOM 2316 NE ARG A 308 6.392 25.806 -6.558 1.000 48.91 ATOM 2317 CZ ARG A 308 5.807 26.391 -12.115 1.000 55.91 ATOM 2321 CD ARG A 308 5.807 26.391 -12.115 1.000 55.91 ATOM 2322 CD ARG A 308 6.392 25.806 -6.558 1.000 48.91 ATOM 2323 CD ARG A 308 6.392 25.806 -6.558 1.000 55.87 ATOM 2324 CB LYS A 309 5.322 31.519 -12.555 1.000 55.64 ATOM 2323 CD ARG A 308 6.392 25.806 -6.558 1.000 48.91 ATOM 23											
ATOM											
ATOM 2296 CA ARG A 306											
ATOM 2296 CA ARG A 306											
ATOM 2297 CB ARG A 306											
ATOM 2299 CD ARG A 306											
ATOM 2299 CD ARG A 306											
ATOM 2300 NE ARG A 306											
ATOM 2301 CZ ARG A 306											
ATOM 2302 NH1 ARG A 306	MOTA										
ATOM 2303 NH2 ARG A 306	MOTA										
ATOM 2304 C ARG A 306 8.287 31.172 -8.271 1.000 29.94 ATOM 2305 O ARG A 306 8.462 31.437 -9.450 1.000 37.35 ATOM 2306 N ALA A 307 8.569 30.025 -7.699 1.000 37.35 ATOM 2307 CA ALA A 307 9.158 28.861 -8.317 1.000 23.60 ATOM 2308 CB ALA A 307 9.447 27.819 -7.233 1.000 26.10 ATOM 2309 C ALA A 307 8.306 28.189 -9.381 1.000 47.11 ATOM 2310 O ALA A 307 8.799 28.044 -10.499 1.000 52.74 ATOM 2311 N ARG A 308 7.102 27.762 -9.042 1.000 52.74 ATOM 2312 CA ARG A 308 6.308 26.829 -9.829 1.000 54.48 ATOM 2313 CB ARG A 308 4.971 26.558 -9.115 1.000 57.15 ATOM 2314 CG ARG A 308 4.916 25.598 -7.229 1.000 55.91 ATOM 2315 CD ARG A 308 4.116 24.969 -7.323 1.000 55.91 ATOM 2317 CZ ARG A 308 4.116 24.969 -7.323 1.000 55.91 ATOM 2318 NH1 ARG A 308 1.868 23.990 -5.844 1.000 35.99 ATOM 2319 NH2 ARG A 308 1.868 23.990 -5.844 1.000 35.99 ATOM 2320 C ARG A 308 6.063 27.269 -11.267 1.000 53.61 ATOM 2321 O ARG A 308 6.063 27.269 -11.215 1.000 53.61 ATOM 2322 N LYS A 309 6.155 28.565 -11.523 1.000 48.27 ATOM 2324 CB LYS A 309 6.155 28.565 -11.523 1.000 48.27 ATOM 2325 CG LYS A 309 6.155 28.565 -11.523 1.000 55.87 ATOM 2326 CD LYS A 309 5.302 31.519 -12.555 1.000 50.14 ATOM 2327 CE LYS A 309 5.302 31.519 -12.555 1.000 50.14 ATOM 2328 NZ LYS A 309 6.769 28.146 -14.991 1.000 53.61 ATOM 2329 C LYS A 309 5.302 31.519 -12.555 1.000 50.14 ATOM 2320 C LYS A 309 5.733 32.861 -11.988 1.000 51.79 ATOM 2321 N LEU A 310 8.259 28.052 -13.326 1.000 53.73 ATOM 2322 N LYS A 309 6.769 28.146 -14.991 1.000 49.69 ATOM 2323 CA LEU A 310 8.259 28.052 -13.326 1.000 58.07 ATOM 2323 CA LEU A 310 9.179 27.229 -1.0326 1.000 38.83 ATOM 2332 CA LEU A 310 9.179 27.229 -1.3278 1.000 49.69 ATOM 2333 CB LEU A 310 10.793 29.062 -13.278 1.000 58.72 ATOM 2333 CD LEU A 310 10.245 30.039 -14.295 1.000 58.72 ATOM 2333 CD LEU A 310 10.245 30.039 -14.295 1.000 58.72 ATOM 2333 CD LEU A 310 10.245 30.039 -14.295 1.000 58.72 ATOM 2333 CD LEU A 310 10.245 30.039 -14.295 1.000 58.72 ATOM 2333 CD LEU A 310 10.245 30.039 -14.295 1.000 58.72 ATOM 2333 CD LEU A 310 10.245 30.039 -14.295 1.00	MOTA	2302									
ATOM 2305 O ARG A 306 8.462 31.437 -9.450 1.000 37.35 ATOM 2306 N ALA A 307 8.569 30.025 -7.699 1.000 31.66 ATOM 2307 CA ALA A 307 9.158 28.861 -8.317 1.000 23.60 ATOM 2308 CB ALA A 307 9.148 28.861 -8.317 1.000 26.10 ATOM 2309 C ALA A 307 8.306 28.189 -9.381 1.000 26.10 ATOM 2310 O ALA A 307 8.799 28.044 -10.499 1.000 47.11 ATOM 2310 N ARG A 308 7.102 27.762 -9.042 1.000 52.74 ATOM 2311 N ARG A 308 6.308 26.829 -9.829 1.000 54.48 ATOM 2313 CB ARG A 308 4.971 26.558 -9.115 1.000 57.15 ATOM 2314 CG ARG A 308 4.971 26.558 -9.115 1.000 57.15 ATOM 2315 CD ARG A 308 4.971 26.558 -9.115 1.000 57.15 ATOM 2316 NE ARG A 308 4.971 26.558 -7.736 1.000 58.94 ATOM 2317 CZ ARG A 308 4.116 24.969 -7.323 1.000 55.894 ATOM 2318 NH1 ARG A 308 1.868 23.990 -5.844 1.000 35.99 ATOM 2319 NH2 ARG A 308 1.868 23.990 -5.844 1.000 35.99 ATOM 2319 NH2 ARG A 308 6.639 25.806 -6.558 1.000 51.64 ATOM 2320 C ARG A 308 6.639 25.806 -6.558 1.000 53.61 ATOM 2321 O ARG A 308 6.663 27.269 -11.267 1.000 53.61 ATOM 2322 N LYS A 309 6.155 28.565 -11.523 1.000 53.73 ATOM 2322 CA LEU A 309 6.129 29.126 -12.866 1.000 53.73 ATOM 2323 CA LYS A 309 6.129 29.126 -12.866 1.000 53.73 ATOM 2325 CG LYS A 309 5.302 35.321 -12.185 1.000 53.73 ATOM 2328 NZ LYS A 309 5.302 35.321 -12.186 1.000 53.73 ATOM 2323 CA LYS A 309 5.302 35.321 -12.186 1.000 53.73 ATOM 2323 CA LYS A 309 5.302 35.321 -12.186 1.000 53.73 ATOM 2323 CA LYS A 309 5.302 35.321 -12.186 1.000 53.73 ATOM 2323 CA LYS A 309 5.302 35.321 -12.186 1.000 53.73 ATOM 2323 CA LYS A 309 5.302 35.321 -12.185 1.000 49.69 ATOM 2323 CA LYS A 309 5.302 35.321 -12.186 1.000 53.73 ATOM 2323 CA LYS A 309 6.159 29.126 -12.866 1.000 55.79 ATOM 2323 CA LYS A 309 5.302 35.321 -12.186 1.000 55.79 ATOM 2323 CA LYS A 309 5.302 35.321 -12.186 1.000 55.29 ATOM 2333 CB LEU A 310 8.259 28.052 -13.326 1.000 55.29 ATOM 2333 CB LEU A 310 8.259 28.052 -13.326 1.000 28.26 ATOM 2333 CB LEU A 310 8.259 28.052 -13.326 1.000 55.29 ATOM 2333 CB LEU A 310 8.259 28.052 -13.326 1.000 55.29 ATOM 2333 CD LEU A 310 8.292 25.745 -13.861 1.000 3	MOTA	2303	NH2	ARG	Α	306		37.875			
ATOM 2306 N ALA A 307 8.569 30.025 -7.699 1.000 31.66 ATOM 2307 CA ALA A 307 9.158 28.861 -8.317 1.000 23.60 ATOM 2308 CB ALA A 307 9.447 27.819 -7.233 1.000 26.10 ATOM 2309 C ALA A 307 8.306 28.189 -9.381 1.000 47.11 ATOM 2310 O ALA A 307 8.799 28.044 -10.499 1.000 44.35 ATOM 2311 N ARG A 308 7.102 27.762 -9.042 1.000 52.74 ATOM 2312 CA ARG A 308 6.308 26.829 -9.829 1.000 54.48 ATOM 2313 CB ARG A 308 4.971 26.558 -9.115 1.000 57.15 ATOM 2316 NE ARG A 308 4.116 24.969 -7.323 1.000 58.94 ATOM 2316 NE ARG A 308 4.116 24.969 -7.323 1.000 55.91 ATOM 2317 CZ ARG A 308 4.116 24.969 -7.323 1.000 55.91 ATOM 2318 NH1 ARG A 308 1.773 25.117 -6.536 1.000 55.94 ATOM 2319 NH2 ARG A 308 1.669 25.598 -7.229 1.000 44.89 ATOM 2319 NH2 ARG A 308 1.669 25.806 -6.558 1.000 44.89 ATOM 2320 C ARG A 308 6.063 27.269 -11.267 1.000 53.61 ATOM 2321 O ARG A 308 6.063 27.269 -11.267 1.000 53.61 ATOM 2322 N LYS A 309 6.155 28.565 -11.523 1.000 44.89 ATOM 2323 CA LYS A 309 6.155 28.565 -11.523 1.000 45.87 ATOM 2324 CB LYS A 309 6.155 30.617 -12.836 1.000 55.87 ATOM 2325 CG LYS A 309 6.515 30.617 -12.836 1.000 55.87 ATOM 2326 CD LYS A 309 5.322 31.519 -12.555 1.000 50.14 ATOM 2327 CE LYS A 309 5.322 31.519 -12.555 1.000 50.14 ATOM 2328 NZ LYS A 309 5.322 31.519 -12.555 1.000 50.14 ATOM 2329 C LYS A 309 5.322 31.519 -12.555 1.000 50.14 ATOM 2320 C LYS A 309 5.322 31.519 -12.555 1.000 50.14 ATOM 2321 N LEU A 310 8.259 28.052 -13.326 1.000 28.26 ATOM 2323 CA LYS A 309 6.769 28.146 -14.991 1.000 49.69 ATOM 2323 CA LYS A 309 6.769 28.146 -14.991 1.000 49.69 ATOM 2333 CB LEU A 310 10.617 27.612 -13.747 1.000 55.29 ATOM 2333 CB LEU A 310 10.617 27.612 -13.747 1.000 55.29 ATOM 2334 CG LEU A 310 10.617 27.612 -13.747 1.000 55.29 ATOM 2335 CD1 LEU A 310 10.245 30.039 -14.295 1.000 38.48 ATOM 2333 CB LEU A 310 10.617 27.612 -13.747 1.000 55.29 ATOM 2333 CD LEU A 310 10.245 30.039 -14.295 1.000 42.46	MOTA	2304	С	ARG	Α	306	8.287	31.172	-8.271		
ATOM 2307 CA ALA A 307 9.158 28.861 -8.317 1.000 23.60 ATOM 2308 CB ALA A 307 9.447 27.819 -7.233 1.000 26.10 ATOM 2309 C ALA A 307 8.306 28.189 -9.381 1.000 47.11 ATOM 2310 O ALA A 307 8.799 28.044 -10.499 1.000 44.35 ATOM 2311 N ARG A 308 7.102 27.762 -9.042 1.000 52.74 ATOM 2312 CA ARG A 308 6.308 26.829 -9.829 1.000 54.48 ATOM 2313 CB ARG A 308 4.971 26.558 -9.115 1.000 57.15 ATOM 2314 CG ARG A 308 4.971 26.558 -9.115 1.000 57.15 ATOM 2315 CD ARG A 308 4.971 25.951 -7.736 1.000 55.91 ATOM 2316 NE ARG A 308 4.116 24.969 -7.323 1.000 55.91 ATOM 2317 CZ ARG A 308 1.773 25.117 -6.536 1.000 55.94 ATOM 2318 NH1 ARG A 308 1.773 25.117 -6.536 1.000 55.94 ATOM 2319 NH2 ARG A 308 1.868 23.990 -5.844 1.000 35.99 ATOM 2320 C ARG A 308 6.063 27.269 -11.267 1.000 53.61 ATOM 2321 O ARG A 308 6.063 27.269 -11.267 1.000 44.89 ATOM 2322 N LYS A 309 6.155 28.565 -11.523 1.000 43.56 ATOM 2323 CA LYS A 309 6.155 28.565 -11.523 1.000 55.87 ATOM 2324 CB LYS A 309 6.155 30.617 -12.836 1.000 55.87 ATOM 2325 CG LYS A 309 5.322 31.519 -12.555 1.000 50.14 ATOM 2326 CD LYS A 309 5.733 32.861 -11.988 1.000 55.77 ATOM 2327 CE LYS A 309 5.733 32.861 -11.988 1.000 51.79 ATOM 2329 C LYS A 309 5.733 32.861 -11.988 1.000 68.64 ATOM 2331 N LEU A 310 8.259 28.052 -13.326 1.000 28.26 ATOM 2332 CA LEU A 310 10.617 27.612 -13.747 1.000 38.83 ATOM 2333 CB LEU A 310 10.617 27.612 -13.747 1.000 38.83 ATOM 2333 CB LEU A 310 10.617 27.612 -13.747 1.000 55.29 ATOM 2333 CD LEU A 310 10.617 27.612 -13.747 1.000 55.29 ATOM 2333 CD LEU A 310 10.617 27.612 -13.747 1.000 55.29 ATOM 2333 CD LEU A 310 10.617 27.612 -13.747 1.000 55.29 ATOM 2333 CD LEU A 310 10.617 27.612 -13.747 1.000 55.29 ATOM 2333 CD LEU A 310 10.647 27.612 -13.747 1.000 55.29 ATOM 2333 CD LEU A 310 10.647 27.612 -13.747 1.000 55.29 ATOM 2333 CD LEU A 310 10.245 30.039 -14.295 1.000 34.79 ATOM 2333 CD LEU A 310 10.245 30.039 -14.295 1.000 34.79	MOTA	2305	0	ARG	Α	306	8.462	31.437	-9.450	1.000	37.35
ATOM 2308 CB ALA A 307	ATOM	2306	N	ALA	Α	307	8.569	30.025	-7.699	1.000	31.66
ATOM 2308 CB ALA A 307 9.447 27.819 -7.233 1.000 26.10 ATOM 2309 C ALA A 307 8.306 28.189 -9.381 1.000 47.11 ATOM 2310 O ALA A 307 8.799 28.044 -10.499 1.000 44.35 ATOM 2311 N ARG A 308 7.102 27.762 -9.042 1.000 52.74 ATOM 2312 CA ARG A 308 6.308 26.829 -9.829 1.000 54.48 ATOM 2313 CB ARG A 308 4.971 26.558 -9.115 1.000 57.15 ATOM 2314 CG ARG A 308 5.194 25.951 -7.736 1.000 55.91 ATOM 2315 CD ARG A 308 4.116 24.969 -7.323 1.000 55.91 ATOM 2316 NE ARG A 308 1.773 25.117 -6.536 1.000 51.64 ATOM 2318 NH1 ARG A 308 1.868 23.990 -5.844 1.000 35.99 ATOM 2319 NH2 ARG A 308 1.868 23.990 -5.844 1.000 35.99 ATOM 2319 NH2 ARG A 308 6.639 25.806 -6.558 1.000 44.89 ATOM 2321 O ARG A 308 6.639 25.806 -6.558 1.000 44.89 ATOM 2322 N LYS A 309 6.155 28.565 -11.523 1.000 48.27 ATOM 2323 CA LYS A 309 6.155 28.565 -11.523 1.000 43.56 ATOM 2324 CB LYS A 309 6.155 30.617 -12.836 1.000 55.87 ATOM 2325 CG LYS A 309 5.322 31.519 -12.555 1.000 50.14 ATOM 2327 CE LYS A 309 5.323 31.591 -12.155 1.000 50.14 ATOM 2328 NZ LYS A 309 5.323 31.591 -12.158 1.000 49.91 ATOM 2329 C LYS A 309 5.302 35.321 -12.188 1.000 68.64 ATOM 2329 C LYS A 309 5.302 35.321 -12.188 1.000 49.69 ATOM 2320 C LYS A 309 5.302 35.321 -12.188 1.000 68.64 ATOM 2323 CA LYS A 309 5.302 35.321 -12.188 1.000 28.26 ATOM 2323 CA LYS A 309 5.302 35.321 -12.188 1.000 28.26 ATOM 2324 CB LYS A 309 5.302 35.321 -12.188 1.000 28.26 ATOM 2325 CG LYS A 309 5.302 35.321 -12.188 1.000 28.26 ATOM 2326 CD LYS A 309 5.302 35.321 -12.188 1.000 28.26 ATOM 2327 CE LYS A 309 5.302 35.321 -12.188 1.000 28.26 ATOM 2332 CA LEU A 310 8.259 28.052 -13.326 1.000 28.26 ATOM 2333 CB LEU A 310 9.179 27.229 -14.104 1.000 38.83 ATOM 2333 CB LEU A 310 10.617 27.612 -13.747 1.000 55.29 ATOM 2333 CB LEU A 310 10.624 29.360 -12.996 1.000 62.48 ATOM 2333 CD LEU A 310 10.624 29.360 -12.996 1.000 62.48 ATOM 2333 CD LEU A 310 10.624 29.360 -12.996 1.000 62.65 ATOM 2333 CD LEU A 310 8.920 25.745 -13.861 1.000 34.79	ATOM	2307	CA	ALA	Α	307	9.158	28.861	-8.317	1.000	23.60
ATOM 2309 C ALA A 307 8.306 28.189 -9.381 1.000 47.11 ATOM 2310 O ALA A 307 8.799 28.044 -10.499 1.000 44.35 ATOM 2311 N ARG A 308 7.102 27.762 -9.042 1.000 52.74 ATOM 2312 CA ARG A 308 6.308 26.829 -9.829 1.000 54.48 ATOM 2313 CB ARG A 308 4.971 26.558 -9.115 1.000 57.15 ATOM 2314 CG ARG A 308 4.971 26.558 -9.115 1.000 57.15 ATOM 2315 CD ARG A 308 4.116 24.969 -7.323 1.000 55.91 ATOM 2316 NE ARG A 308 4.116 24.969 -7.323 1.000 55.91 ATOM 2317 CZ ARG A 308 1.773 25.117 -6.536 1.000 51.64 ATOM 2318 NH1 ARG A 308 1.868 23.990 -5.844 1.000 35.99 ATOM 2319 NH2 ARG A 308 1.868 23.990 -5.844 1.000 35.99 ATOM 2321 C ARG A 308 6.063 27.269 -11.267 1.000 44.89 ATOM 2321 O ARG A 308 5.807 26.391 -12.115 1.000 44.89 ATOM 2322 N LYS A 309 6.155 28.565 -11.523 1.000 43.56 ATOM 2323 CA LYS A 309 6.155 28.565 -11.523 1.000 43.56 ATOM 2324 CB LYS A 309 6.155 28.565 -11.523 1.000 55.87 ATOM 2325 CG LYS A 309 5.322 31.519 -12.555 1.000 51.74 ATOM 2326 CD LYS A 309 5.322 31.519 -12.555 1.000 51.74 ATOM 2327 CE LYS A 309 5.322 31.519 -12.555 1.000 51.74 ATOM 2328 NZ LYS A 309 5.302 35.321 -12.188 1.000 49.69 ATOM 2329 C LYS A 309 5.302 35.321 -12.188 1.000 49.69 ATOM 2329 C LYS A 309 5.302 35.321 -12.188 1.000 49.69 ATOM 2331 N LEU A 310 8.259 28.052 -13.326 1.000 28.26 ATOM 2332 CA LEU A 310 8.259 28.052 -13.326 1.000 28.26 ATOM 2333 CB LEU A 310 9.179 27.229 -14.104 1.000 38.83 ATOM 2334 CG LEU A 310 10.617 27.612 -13.747 1.000 55.29 ATOM 2335 CD1 LEU A 310 10.617 27.612 -13.747 1.000 55.29 ATOM 2337 C LEU A 310 10.245 30.039 -14.295 1.000 62.65 ATOM 2338 CD LEU A 310 10.245 30.039 -14.295 1.000 58.72 ATOM 2337 C LEU A 310 8.920 25.745 -13.861 1.000 34.79 ATOM 2338 CD LEU A 310 10.245 30.039 -14.295 1.000 58.27		2308	СВ	ALA	Α	307	9.447	27.819	-7.233	1.000	26.10
ATOM 2310 O ALA A 307 8.799 28.044 -10.499 1.000 44.35 ATOM 2311 N ARG A 308 7.102 27.762 -9.042 1.000 52.74 ATOM 2312 CA ARG A 308 6.308 26.829 -9.829 1.000 54.48 ATOM 2313 CB ARG A 308 4.971 26.558 -9.115 1.000 57.15 ATOM 2314 CG ARG A 308 5.194 25.951 -7.736 1.000 55.94 ATOM 2315 CD ARG A 308 4.116 24.969 -7.323 1.000 55.91 ATOM 2316 NE ARG A 308 2.804 25.598 -7.229 1.000 48.91 ATOM 2317 CZ ARG A 308 1.773 25.117 -6.536 1.000 55.91 ATOM 2318 NH1 ARG A 308 1.868 23.990 -5.844 1.000 55.91 ATOM 2319 NH2 ARG A 308 6.639 25.806 -6.558 1.000 44.89 ATOM 2320 C ARG A 308 6.663 27.269 -11.267 1.000 53.61 ATOM 2321 O ARG A 308 6.063 27.269 -11.267 1.000 53.61 ATOM 2321 O ARG A 308 6.063 27.269 -11.267 1.000 53.61 ATOM 2322 N LYS A 309 6.155 28.565 -11.523 1.000 43.56 ATOM 2323 CA LYS A 309 6.155 28.565 -11.523 1.000 43.56 ATOM 2324 CB LYS A 309 6.129 29.126 -12.866 1.000 55.87 ATOM 2324 CB LYS A 309 5.322 31.519 -12.555 1.000 50.14 ATOM 2326 CD LYS A 309 5.322 31.519 -12.555 1.000 50.14 ATOM 2327 CE LYS A 309 5.322 31.519 -12.555 1.000 51.79 ATOM 2329 C LYS A 309 5.322 31.519 -12.555 1.000 50.14 ATOM 2329 C LYS A 309 5.322 31.519 -12.555 1.000 51.79 ATOM 2329 C LYS A 309 5.322 31.519 -12.555 1.000 50.14 ATOM 2329 C LYS A 309 5.322 31.519 -12.555 1.000 50.14 ATOM 2321 N LEU A 310 8.259 28.052 -13.326 1.000 49.69 ATOM 2330 O LYS A 309 6.769 28.146 -11.988 1.000 68.64 ATOM 2331 N LEU A 310 8.259 28.052 -13.326 1.000 28.26 ATOM 2333 CB LEU A 310 8.259 28.052 -13.326 1.000 28.26 ATOM 2333 CB LEU A 310 10.617 27.612 -13.747 1.000 55.29 ATOM 2333 CB LEU A 310 10.617 27.612 -13.747 1.000 55.29 ATOM 2335 CD1 LEU A 310 10.245 30.039 -14.295 1.000 68.64 ATOM 2335 CD1 LEU A 310 10.245 30.039 -14.295 1.000 68.64 ATOM 2336 CD2 LEU A 310 10.245 30.039 -14.295 1.000 68.67 ATOM 2337 C LEU A 310 10.245 30.039 -14.295 1.000 68.68 ATOM 2333 CB LEU A 310 10.245 30.039 -14.295 1.000 68.68 ATOM 2333 CB LEU A 310 10.245 30.039 -14.295 1.000 68.68 ATOM 2333 CD LEU A 310 10.245 30.039 -14.295 1.000 68.68 ATOM 2333 CD LEU A 310 10.245 30.039 -1			С				8.306	28.189	-9.381	1.000	47.11
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ATOM 2318 NH1 ARG A 308											
ATOM 2319 NH2 ARG A 308 0.639 25.806 -6.558 1.000 44.89 ATOM 2320 C ARG A 308 6.063 27.269 -11.267 1.000 53.61 ATOM 2321 O ARG A 308 5.807 26.391 -12.115 1.000 48.27 ATOM 2322 N LYS A 309 6.155 28.565 -11.523 1.000 43.56 ATOM 2323 CA LYS A 309 6.129 29.126 -12.866 1.000 55.87 ATOM 2324 CB LYS A 309 6.515 30.617 -12.836 1.000 53.73 ATOM 2325 CG LYS A 309 5.322 31.519 -12.555 1.000 50.14 ATOM 2326 CD LYS A 309 5.322 31.519 -12.555 1.000 50.14 ATOM 2327 CE LYS A 309 5.733 32.861 -11.988 1.000 51.79 ATOM 2328 NZ LYS A 309 5.733 32.861 -11.988 1.000 58.07 ATOM 2328 NZ LYS A 309 5.302 35.321 -12.188 1.000 68.64 ATOM 2329 C LYS A 309 7.071 28.394 -13.819 1.000 49.69 ATOM 2330 O LYS A 309 6.769 28.146 -14.991 1.000 49.69 ATOM 2331 N LEU A 310 8.259 28.052 -13.326 1.000 28.26 ATOM 2332 CA LEU A 310 8.259 28.052 -13.326 1.000 28.26 ATOM 2333 CB LEU A 310 9.179 27.229 -14.104 1.000 38.83 ATOM 2334 CG LEU A 310 10.617 27.612 -13.747 1.000 55.29 ATOM 2335 CD1 LEU A 310 10.617 27.612 -13.747 1.000 55.29 ATOM 2336 CD2 LEU A 310 10.793 29.062 -13.278 1.000 62.65 ATOM 2337 C LEU A 310 10.245 30.039 -14.295 1.000 58.72 ATOM 2337 C LEU A 310 8.920 25.745 -13.861 1.000 34.79 ATOM 2338 O1 HOH W 1 2.014 17.687 26.597 1.000 14.70											
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ATOM 2333 CB LEU A 310 10.617 27.612 -13.747 1.000 55.29 ATOM 2334 CG LEU A 310 10.793 29.062 -13.278 1.000 62.65 ATOM 2335 CD1 LEU A 310 12.262 29.360 -12.996 1.000 82.48 ATOM 2336 CD2 LEU A 310 10.245 30.039 -14.295 1.000 58.72 ATOM 2337 C LEU A 310 8.920 25.745 -13.861 1.000 34.79 ATOM 2338 O1 HOH W 1 2.014 17.687 26.597 1.000 14.70	ATOM	2331	N	LEU	Α	310	8.259	28.052	-13.326	1.000	28.26
ATOM 2334 CG LEU A 310 10.793 29.062 -13.278 1.000 62.65 ATOM 2335 CD1 LEU A 310 12.262 29.360 -12.996 1.000 82.48 ATOM 2336 CD2 LEU A 310 10.245 30.039 -14.295 1.000 58.72 ATOM 2337 C LEU A 310 8.920 25.745 -13.861 1.000 34.79 ATOM 2338 O1 HOH W 1 2.014 17.687 26.597 1.000 14.70	MOTA	2332	CA	LEU	Α	310	9.179				
ATOM 2335 CD1 LEU A 310 12.262 29.360 -12.996 1.000 82.48 ATOM 2336 CD2 LEU A 310 10.245 30.039 -14.295 1.000 58.72 ATOM 2337 C LEU A 310 8.920 25.745 -13.861 1.000 34.79 ATOM 2338 O1 HOH W 1 2.014 17.687 26.597 1.000 14.70	ATOM	2333	CB	LEU	Α	310	10.617				
ATOM 2335 CD1 LEU A 310 12.262 29.360 -12.996 1.000 82.48 ATOM 2336 CD2 LEU A 310 10.245 30.039 -14.295 1.000 58.72 ATOM 2337 C LEU A 310 8.920 25.745 -13.861 1.000 34.79 ATOM 2338 O1 HOH W 1 2.014 17.687 26.597 1.000 14.70		2334	CG	LEU	Α	310	10.793	29.062	-13.278	1.000	62.65
ATOM 2336 CD2 LEU A 310 10.245 30.039 -14.295 1.000 58.72 ATOM 2337 C LEU A 310 8.920 25.745 -13.861 1.000 34.79 ATOM 2338 O1 HOH W 1 2.014 17.687 26.597 1.000 14.70							12.262	29.360	-12.996	1.000	82.48
ATOM 2337 C LEU A 310 8.920 25.745 -13.861 1.000 34.79 ATOM 2338 O1 HOH W 1 2.014 17.687 26.597 1.000 14.70								30.039	-14.295	1.000	58.72
ATOM 2338 01 HOH W 1 2.014 17.687 26.597 1.000 14.70											

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MOTA	2340	01	HOH W	3	9.941	34.403	15.794 1.000 20.77
MOTA	2341	01	HOH W	4	1.150	20.544	3.861 1.000 16.32
MOTA	2342	01	HOH W	5	11.855	1.496	23.723 1.000 20.79
ATOM	2343	01	HOH W	6	11.026	19.440	31.061 1.000 22.81
ATOM	2344	01	HOH W	7	-4.100	15.347	34.619 1.000 20.35
MOTA	2345	01	HOH W	8	-8.502	35.220	27.278 1.000 20.31
MOTA	2346	01	HOH W	9	10.956	8.876	28.629 1.000 24.20
ATOM	2347	01	HOH W	10	13.818	22.433	16.330 1.000 21.57
ATOM	2348	01	HOH W	11	-4.748	20.337	7.520 1.000 18.34
ATOM	2349	01	HOH W	12	7.144	17.757	36.248 1.000 23.39
	2349	01	HOH W	13	-8.500	25.553	30.582 1.000 21.46
MOTA				14	1.872	18.169	29.324 1.000 19.74
ATOM	2351	01	HOH W				
MOTA	2352	01	HOH W	15	-12.583	28.920	
ATOM	2353	01	HOH W	16	17.845	15.230	13.268 1.000 25.48
MOTA	2354	01	HOH W	17	2.522	25.792	29.444 1.000 21.14
MOTA	2355	01	HOH W	18	-12.414	36.213	18.671 1.000 35.42
MOTA	2356	01	HOH W	19	-0.308	19.015	30.907 1.000 20.05
MOTA	2357	01	HOH W	20	-4.507	15.507	8.656 1.000 26.56
ATOM	2358	01	HOH W	21	-1.463	16.804	32.355 1.000 19.87
ATOM	2359	01	HOH W	22	-7.774	24.896	24.411 1.000 25.30
MOTA	2360	01	HOH W	23	2.487	23.390	-2.046 1.000 21.28
MOTA	2361	01	HOH W	24	-5.084	36.399	19.340 1.000 24.16
ATOM	2362	01	HOH W	25	11.554	11.480	16.357 1.000 25.31
ATOM	2363	01	HOH W	26	12.946	5.581	11.917 1.000 24.23
ATOM	2364	01	HOH W	27	-12.980	20.577	24.368 1.000 27.97
ATOM	2365	01	HOH W	28	10.212	31.138	15.942 1.000 33.79
ATOM	2366	01	HOH W	29	14.372	4.995	27.900 1.000 26.39
ATOM	2367	01	HOH W	30	-2.960	34.484	1.831 1.000 27.40
ATOM	2368	01	HOH W	31	10.824	30.078	18.289 1.000 25.67
			HOH W	32	13.982	2.205	27.167 1.000 25.41
ATOM	2369	01					33.860 1.000 34.16
ATOM	2370	01	HOH W	33	1.575	12.107	
ATOM	2371	01	HOH W	34	-3.137	19.220	
ATOM	2372	01	HOH W	35	-6.170	33.272	20.828 1.000 21.49
MOTA	2373	01	HOH W	36	-1.632	39.007	16.222 1.000 27.21
ATOM	2374	01	HOH W	37	7.347	31.206	19.263 1.000 26.77
ATOM	2375	01	HOH W	38	9.444	26.520	21.341 1.000 29.37
ATOM	2376	01	HOH W	39	-8.237	9.947	35.385 1.000 47.49
ATOM	2377	01	HOH W	40	-2.103	38.773	20.445 1.000 27.92
ATOM	2378	01	HOH W	41	-9.820	28.498	38.052 1.000 26.65
MOTA	2379	01	HOH W	42	10.051	20.936	-0.828 1.000 26.93
MOTA	2380	01	HOH W	43	-14.963	17.351	10.401 1.000 37.99
ATOM	2381	01	HOH W	44	15.436	8.322	21.787 1.000 29.21
ATOM	2382	01	HOH W	45	1.871	19.354	1.571 1.000 22.03
ATOM	2383	01	HOH W	46	-7.599	19.535	29.453 1.000 22.96
ATOM	2384	01	HOH W	47	3.330	17.045	1.103 1.000 26.08
ATOM	2385	01	HOH W	48	14.921	28.549	0.827 1.000 30.69
ATOM	2386	01	HOH W	49	4.221	11.439	33.921 1.000 28.27
	2387	01	HOH W	50	6.471	7.214	33.313 1.000 30.73
ATOM					6.997	11.081	3.016 1.000 29.06
ATOM	2388	01	HOH W	51		14.413	1.356 1.000 36.16
ATOM	2389	01	HOH W	52	9.828		31.420 1.000 34.40
ATOM	2390	01	HOH W	53	-2.049	5.578	
ATOM	2391	01	HOH W	54	7.546	28.605	19.653 1.000 38.00

ATOM	2392	01	нон	W	55	-11.689	15.787	24.708	1.000	27.99
ATOM	2393	01	НОН		56	-1.930	38.222	3.832	1.000	
ATOM	2394	01	НОН		57	3.629	5.858	35.758	1.000	33.41
ATOM	2395	01	НОН		58	2.994	20.770	-0.697	1.000	26.75
ATOM	2396	01	НОН		59	-13.363	22.643	29.523	1.000	32.53
	2397	01	НОН		60	-3.967	36.098	3.552		24.24
ATOM						-13.003	28.717	20.098	1.000	
ATOM	2398	01	HOH		61			21.021		
ATOM	2399	01	НОН		62	-3.571	34.737			31.16
ATOM	2400	01	НОН		63	-3.353	25.782	37.784	1.000	
ATOM	2401	01	НОН		64	-4.181	15.085	11.174	1.000	23.09
ATOM	2402	01	НОН		65	14.882	1.430	29.740	1.000	32.36
ATOM	2403	01	нон		66	-2.385	10.919	14.099	1.000	31.04
MOTA	2404	01	нон		67	-2.022	11.997	12.100	1.000	34.23
MOTA	2405	01	нон	W	68	-0.074	6.701	29.852		28.84
MOTA	2406	01	НОН	W	69	13.012	17.319	31.049	1.000	34.35
MOTA	2407	01	нон	W	70	-0.945	-1.322	32.490	1.000	
MOTA	2408	01	НОН	W	71	-14.687	16.999	7.638	1.000	39.15
ATOM	2409	01	НОН	W	72	5.621	40.002	16.979	1.000	36.19
ATOM	2410	01	HOH	W	73	5.019	34.934	-5.124	1.000	30.14
ATOM	2411	01	НОН	W	74	-13.469	20.866	21.275	1.000	35.79
ATOM	2412	01	нон	W	75	-6.587	38.439	-4.937	1.000	34.64
ATOM	2413	01	НОН		76	-6.586	20.943	1.389	1.000	34.28
ATOM	2414	01	НОН		77	16.678	2.326		1.000	34.62
ATOM	2415	01	НОН		78	-0.115	2.845	36.291	1.000	30.53
ATOM	2416	01	НОН		79	-0.221	19.000	-0.242		
ATOM	2417	01	НОН		80	18.011	13.617	17.062		28.47
ATOM	2418	01	НОН		81	8.378	5.752	31.945	1.000	25.91
ATOM	2419	01	НОН		82	-1.655	40.288	22.680	1.000	32.53
ATOM	2420	01	НОН		83	6.545	30.062		1.000	41.03
	2421	01	НОН		84	8.148	39.805		1.000	35.25
ATOM					85	-14.461	20.880	32.244	1.000	35.66
ATOM	2422	01	НОН			5.851	3.752	34.055	1.000	36.71
ATOM	2423	01	НОН		86					39.92
ATOM	2424	01	НОН		87	-0.955	1.090	13.636	1.000	
ATOM	2425	01	НОН		88	8.422	39.414	-0.957	1.000	48.27
ATOM	2426	01	НОН		89	10.954	39.318	2.465	1.000	44.33
ATOM	2427	01	НОН		90	2.579	50.503	2.300	1.000	54.86
MOTA	2428	01	НОН		91	3.085	48.432	3.786	1.000	37.84
ATOM	2429	01	НОН		92	6.015	47.673	10.758	1.000	46.93
ATOM	2430	01	НОН		93	-4.388	-7.612		1.000	45.59
ATOM	2431	01	НОН		94	0.214	18.775	39.716		
ATOM	2432	01	НОН	W	95	-12.966	13.296	30.655		
ATOM	2433	01	НОН	W	96	0.538	14.855	35.881		
ATOM	2434	01	НОН	W	97	17.070	25.109		1.000	
ATOM	2435	01	НОН	W	98	11.830	27.957	-0.458	1.000	43.72
ATOM	2436	01	НОН	W	99	-4.616	12.312	11.217	1.000	40.90
ATOM	2437	01	HOH	W	100	11.872	35.092	7.761	1.000	55.45
ATOM	2438	01	НОН			10.663	36.578	9.005	1.000	38.01
ATOM	2439	01	НОН			14.787	30.925		1.000	
ATOM	2440	01	НОН			-7.639	22.432	-0.126		
ATOM	2441	01	НОН			-0.768	39.758	18.325		
ATOM	2442	01	НОН			11.805	25.356	22.168		
ATOM	2443	01	НОН			20.422	18.338	13.902		
										

ATOM	2444	01	HOH W	107	10.183	24.874	30.453	1.000	38.68
ATOM	2445	01		108	16.785	32.728	12.612	1.000	31.96
ATOM	2446	01		109	13.492	30.752	17.655	1.000	39.37
ATOM	2447	01	HOH W	110	- 3.931	16.862	2.029		
ATOM	2448	01	HOH W	111	-7.045	29.232	5.340	1.000	
ATOM	2449	01	HOH W		-7.762	11.786	25.923	1.000	28.04
ATOM	2450	01	HOH W	113	-13.605	33.677	20.128	1.000	
ATOM	2451	01	HOH W	114	10.065	39.638	9.803	1.000	38.13
ATOM	2452	01	HOH W	115	-8.934	24.435	1.974		31.50
MOTA	2453	01	HOH W	116	17.216	10.741	21.573		34.76
MOTA	2454	01	HOH W	117	-11.923	22.839		1.000	
MOTA	2455	01	HOH W	118	7.473	12.705	1.120	1.000	
MOTA	2456	01		119	5.483	8.873	2.549	1.000	
MOTA	2457	01		120	-14.010	13.235	28.254	1.000	
ATOM	2458	01	HOH W	121	-6.810	4.829	28.513		
MOTA	2459	01	HOH W	122	-14.132	10.542	31.339	1.000	
MOTA	2460	01		123	5.390	21.831	37.038	1.000	
MOTA	2461	01		124	-14.479	21.966	26.038	1.000	
MOTA	2462	01	HOH W	125	4.264	17.945	-1.288	1.000	
MOTA	2463	01	HOH W	126	23.828	24.174	30.873	1.000	
MOTA	2464	01	HOH W	127	-6.176	26.450	5.939	1.000	
ATOM	2465	01		128	3.350	34.622	26.589	1.000	
ATOM	2466	01		129	16.916	27.171	7.485	1.000	
MOTA	2467	01	HOH W	130	-11.189	32.210	8.814	1.000	
MOTA	2468	01	HOH W	131	-4.460	2.050	29.021		
ATOM	2469	01		132	-15.621	16.785	16.397	1.000	
ATOM	2470	01		133	13.141	-0.750	30.285 18.996		33.72
ATOM	2471	01	HOH W	134	16.391	14.131 23.607	18.037		36.32
ATOM	2472	01	HOH W	135	15.720	28.989	7.435	1.000	
ATOM	2473	01	HOH W	136 137	-9.180 -13.398	18.098	35.125	1.000	
ATOM	2474	01		138	-14.347	26.998	19.051	1.000	
ATOM	2475 2476	01 01	W HOH W	139	17.167	1.215	28.662		
MOTA MOTA	2477	01	HOH W	140	-5.468	13.807	7.111	1.000	
ATOM	2477	01		141	-4.475	4.635	29.841	1.000	
MOTA	2479	01		142	-12.828	27.385		1.000	
ATOM	2480	01	HOH W	143	-13.938	17.712	24.521		31.09
ATOM	2481	01	HOH W	144	16.503	26.254	10.447		46.13
ATOM	2482	01		145	20.599	20.875	15.821	1.000	41.98
ATOM	2483	01	HOH W		20.503	19.870	22.082	1.000	51.04
ATOM	2484	01	HOH W		4.262	18.175	36.175	1.000	33.32
MOTA	2485	01	HOH W		-0.297	26.441		1.000	
ATOM	2486	01	HOH W		20.297	28.737		1.000	
ATOM	2487	01	HOH W		7.203	23.388		1.000	
ATOM	2488	01	HOH W	151	10.549	7.398		1.000	
MOTA	2489	01	HOH W	152	6.081	38.872		1.000	
ATOM	2490	01		153	13.265	33.000		1.000	
MOTA	2491	01	HOH W		-12.530	39.835		1.0001	
MOTA	2492	01	HOH W		11.420	11.430		1.000	
MOTA	2493	01	HOH W		0.901	8.244		1.000	
MOTA	2494	01	HOH W		-7.963	29.336		1.000	
MOTA	2495	01	HOH W	158	20.035	12.009	18.471	1.000	34.3/

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MOTA	2496	01	HOH W	159	-4.350	3.543	10.491		
ATOM	2497	01	HOH W	160	4.286	9.674	36.102		40.87
ATOM	2498	01	HOH W	161	-8.003	41.353	17.020		48.97
ATOM	2499	01	HOH W	162	15.195	17.562	28.763		43.23
MOTA	2500	01	HOH W	163	-10.778	5.540	28.103		47.36
MOTA	2501	01		164	19.303	31.924	16.796		51.07
ATOM	2502	01		165	-4.383	19.665	-0.828	1.000	32.47
ATOM	2503	01		166	8.839	24.816	-3.783		
ATOM	2504	01		167	6.219	15.861	-1.300	1.000	43.10
	2505	01		168	10.025	33.624	18.562		
MOTA	2506	01		169	7.836	30.797	27.712		
ATOM	2507	01		170	-9.946	19.362			
ATOM		01		171	22.397	23.179	24.094	1.000	
ATOM	2508			172	6.196	31.438	24.998	1.000	
MOTA	2509	01		173	2.656	29 647	-11.398		
ATOM	2510	01		174	-7.993	19.195	2.017	1.000	51.50
MOTA	2511	01			-7.725	9.838	10.116		
MOTA	2512	01		175	10.217	8.209	35.322		
MOTA	2513	01		176		18.048		1.000	
MOTA	2514	01		177	22.886	6.843	29.204		37.28
ATOM	2515	01		178	13.259		29.204		
ATOM	2516	01	HOH W		-11.344	39.086		1.000	
ATOM	2517	01	HOH W		13.661	33.712	7.349 36.601		
MOTA	2518	01	HOH W		-3.554	0.841		1.000	
MOTA	2519	01	HOH W		2.483	16.905			
MOTA	2520	01		183	20.094	7.002		1.000	
MOTA	2521	01		184	13.549	19.866	-1.559	1.000	
MOTA	2522	01		185	11.649	-2.468	19.869		
MOTA	2523	01	HOH W		-11.387	9.057	20.869		
ATOM	2524	01	HOH W	187	2.270	53.746	3.948	1.000	
ATOM	2525	01	HOH W	188	7.272	43.089	10.416		40.06
ATOM	2526	01	HOH W	189	-10.704	43.630	20.531		
ATOM	2527	01	HOH W	190	-10.161	31.212		1.000	
ATOM	2528	01	HOH W	191	9.522	6.064	4.334	1.000	
ATOM	2529	01	HOH W	192	16.516	16.717	21.174		
ATOM	2530	01	HOH W	193	-0.857	36.253	20.284		
ATOM	2531	01		194	18.504	18.275	22.970		
ATOM	2532	01		195	5.801		-17.383	1.000	43.44
ATOM	2533	01	HOH W	196	-7.990	22.703	42.079		
ATOM	2534	01	HOH W		-6.632	16.747	36.401		
ATOM	2535	01	HOH W		-11.815	21.607	16.468	1.000	30.66
ATOM	2536	01	HOH W		-2.843	32.478	-11.634	1.000	33.04
ATOM	2537	01	HOH W		-10.429	21.931	2.610	1.000	43.58
ATOM	2538	01	HOH W		-12.782	11.466	36.315	1.000	64.73
	2539	01	HOH W		-1.120	8.730		1.000	
MOTA			HOH W		7.752	27.565	23.146		
ATOM	2540	01	HOH W		-4.173	17.946	-3.218		
ATOM	2541	01	HOH W		-12.084	5.496	19.653		
ATOM	2542	01	HOH W		1.514	0.000	33.985		
ATOM	2543	01			-4.358	32.825	-9.953		
ATOM	2544	01	HOH W		-4.336 14.414	14.005			
MOTA	2545	01	HOH W			27.139			
MOTA	2546	01	HOH W		22.352 -12.128	21.274		1.000	
ATOM	2547	01	HOH W	210	-12.120	61.414	5.705	1.000	

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ATOM	2548	01	HOH W		-15.431	29.589	23.297		
MOTA	2549	01	HOH W		15.717	21.134		1.000	
ATOM	2550	01	нон м		22.149	19.371		1.000	
MOTA	2551	01	HOH W		-12.478	28.555	38.340		
ATOM	2552	01	HOH W	215	-10.373	26.583	11.557		
MOTA	2553	01	HOH W	216	5.904	28.076		1.000	
ATOM	2554	01	HOH W	217	18.063	28.353	10.622		
MOTA	2555	01	HOH W	218	5.741	29.596	34.757		
ATOM	2556	01	HOH W	219	23.482	28.211	28.256		
ATOM	2557	01	HOH W	220	20.729	22.839	22.289	1.000	47.92
ATOM	2558	01	HOH W	221	-13.743	23.631	15.768	1.000	56.18
ATOM	2559	01	HOH W	222	0.808	4.763	11.965	1.000	52.58
ATOM	2560	01	HOH W		19.695	26.083	30.808	1.000	48.34
ATOM	2561	01	HOH W		-10.086	39.766	26.571	1.000	37.07
ATOM	2562	01	HOH W		-8.185	26.002	12.785		
ATOM	2563	01	HOH W		-15.767	14.896	27.476		
ATOM	2564	01	HOH W		-8.943	41.210	23.852		
ATOM	2565	01	HOH W		-13.243	38.293		1.000	
ATOM	2566	01	HOH W		18.663	0.325	20.946		
ATOM	2567	01	HOH W		12.773	6.887	31.536		
			HOH W		-7.081	32.709	-9.020		
ATOM	2568	01	HOH W		-14.685	24.271	19.574		
ATOM	2569	01	HOH W		1.541	7.037	10.861		
ATOM	2570	01			17.407	14.624	24.034		
ATOM	2571	01	HOH W				4.255		
ATOM	2572	01	HOH W		-8.898	25.154	24.947		
ATOM	2573	01	HOH W		9.061	28.544	32.214		
MOTA	2574	01	HOH W		-13.663	15.439			
ATOM	2575	01	HOH W		13.791	17.581	34.085		
MOTA	2576	01	HOH W		-11.961	16.055	13.445		
ATOM	2577	01	HOH W		15.223	9.544	28.176		
ATOM	2578	01	HOH W		-13.353	32.529		1.000	
ATOM	2579	01	HOH W		8.996		-16.754		
MOTA	2580	01	HOH W		6.092	23.068	-5.367		
MOTA	2581	01	HOH W		22.747	32.593	25.452		
MOTA	2582	01	HOH W		-0.304		-11.298		
ATOM	2583	01	HOH W		-4.988	-3.152	23.809		
MOTA	2584	01	HOH W	247	1.129	39.597	-7.798	1.000	
MOTA	2585	01	HOH W		-6.772	14.727	4.405	1.000	
MOTA	2586	01	HOH W	249	17.223	10.068		1.000	
ATOM	2587	01	HOH W	250	17.655	12.530	28.719		
MOTA	2588	01	HOH W	251	4.037	7.351		1.000	
ATOM	2589	01	HOH W	252	-1.828	7.240	33.526		
MOTA	2590	01	HOH W	253	-12.257	12.014	23.313		
ATOM	2591	01	нон м	254	18.878	30.723	23.928	1.000	81.96
MOTA	2592	01	HOH W		-2.406	13.001	35.608	1.000	49.36
ATOM	2593	01	HOH W		0.100	42.639	18.634	1.000	42.69
ATOM	2594	01	HOH W		8.781	15.841	-0.776		
ATOM	2595	01	HOH W		8.836	41.627	14.232		
ATOM	2596	01	HOH W		10.082	41.227	7.652		
ATOM	2597	01	HOH W		16.536	4.886	29.969		
ATOM	2598	01	HOH W		8.904	2.996	11.102		
ATOM	2599	01	HOH W		17.169	18.558		1.000	
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ATOM	2600	01	HOH W 2	263	2	22.449	12.846		1.000	
ATOM	2601	01	HOH W 2	264		11.441	22.960	-0.297		46.40
ATOM	2602	01	HOH W 2	265		12.891	35.186	-7.958		59.81
ATOM	2603	01		266	-:	13.897	24.909	13.026		45.86
ATOM	2604	01		267		19.060	9.563	25.380	1.000	45.48
ATOM	2605	01		268		3.802	25.392	-14.805	1.000	50.59
ATOM	2606	01		269		16.184	28.549	22.110	1.000	43.02
	2607	01		270		-1.154	37.399	-12.192	1.000	53.68
ATOM	2608	01	HOH W			-4.123	-5.269	18.602		79.29
MOTA		01	HOH W			-7.384	2.425	21.048	1.000	57.48
ATOM	2609		HOH W			18.456	25.557	18.479	1.000	44.20
ATOM	2610	01	HOH W			6.328	1.205	9.458		59.21
MOTA	2611	01	HOH W		_	14.117	5.491	34.696		60.85
ATOM	2612	01	HOH W			10.629	13.583	38.737		45.87
ATOM	2613	01				11.913	20.085	36.715	1.000	
ATOM	2614	01	HOH W				43.387	4.147	1.000	
ATOM	2615	01	HOH W			-8.375	-4.797	28.731	1.000	
ATOM	2616	01	HOH W			- 9.702		10.801	1.000	
MOTA	2617	01	HOH W			12.340	25.454	8.928	1.000	
MOTA	2618	01	HOH W			-4.825	10.727		1.000	
MOTA	2619	01	HOH W			-0.469	27.271			
MOTA	2620	01		283		1.342	6.223			
MOTA	2621	01		284		13.187	3.566	_		70.44
ATOM	2622	01		285	_	10.963	-4.464			
MOTA	2623	01		286		2.082	7.263			59.07
ATOM	2624	01	HOH W	287		14.375	31.030			42.90
ATOM	2625	01	HOH W	288		13.932	23.344			
ATOM	2626	01	HOH W	289		10.496	31.449			37.15
ATOM	2627	01	HOH W	290		-5.935	42.393			48.92
ATOM	2628	01	HOH W	291		-2.417	29.064			98.13
ATOM	2629	01	HOH W	292		4.370	7.161			54.78
ATOM	2630	01	HOH W	293	-	12.101	29.567			45.21
ATOM	2631	01	HOH W	294		-2.974	52.167			54.46
ATOM	2632	01	HOH W	295		6.373	24.732		1.000	55.54
ATOM	2633	01	HOH W	296		5.144	2.212			
ATOM	2634	01	HOH W	297		4.119		-18.043		63.04
ATOM	2635	01	HOH W			-6.584	46.120	5.004	1.000	61.91
ATOM	2636	01		299		17.182	15.542	27.047		
ATOM	2637	01		300		12.276	33.194	-3.953		50.26
ATOM	2638	01	HOH W	301		4.057	25.805	36.737		51.03
ATOM	2639	01	HOH W			17.210	27.508			43.16
ATOM	2640	01	HOH W		-	-13.383	20.836		1.000	
ATOM	2641	01	HOH W			19.482	17.276		1.000	
ATOM	2642	01	HOH W			-6.950	41.249		1.000	
ATOM	2643	01	HOH W		_	-10.165	8.508		1.000	61.15
	2644	01	HOH W			4.134	19.769		1.000	52.25
ATOM	2645	01	HOH W			3.101	15.563			45.06
MOTA	2645	01	HOH W			8.724	40.739			47.08
ATOM		01	HOH W		_	-10.535	2.41			88.70
ATOM	2647	OI	HOH W	510		_0.000	-			
END										

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CRYST1	38.		69.			.777			10.240	1.00 48.36
ATOM	1	N	LYS		19	-13		32.383		1.00 47.56
ATOM	2	CA	LYS		19	-13		33.412	9.318	
ATOM	3	CB	LYS		19		.789	34.414	10.102	1.00 48.40
MOTA	4	CG	LYS		19		.107	34.813	9.444	1.00 50.42
ATOM	5	CD	LYS	Α	19		.509	36.212	9.896	1.00 51.36
ATOM	6	CE	LYS	Α	19	-17	.815	36.655	9.263	1.00 52.93
ATOM	7	ΝZ	LYS	Α	19	-18	. 963	36.009	9.969	1.00 50.02
ATOM	8	С	LYS	Α	19	-12	.885	34.153	8.487	1.00 45.61
ATOM	9	0	LYS	Α	19	-12	.823	33.994	7.265	1.00 46.13
ATOM	10	N	THR	A	20	-12	.070	34.966	9.153	1.00 43.56
ATOM	11	CA	THR	Α	20	-11	.312	35.995	8.460	1.00 40.00
ATOM	12	CB	THR	Α	20	-11	.081	37.248	9.348	1.00 41.25
ATOM	13	OG1	THR	Α	20	-11	.320	38.444	8.598	1.00 41.63
ATOM	14	CG2	THR		20	-9	. 647	37.393	9.810	1.00 43.82
ATOM	15	C	THR		20	-10	.091	35.385	7.764	1.00 36.65
ATOM	16	Ō	THR		20		.557	34.349	8.149	1.00 34.08
ATOM	17	N	SER		21		.707	36.004	6.662	1.00 33.82
ATOM	18	CA	SER		21		.158	35.238	5.553	1.00 31.39
ATOM	19	CB	SER		21		.279	34.427	4.900	1.00 32.67
ATOM	20	OG	SER		21		.913	33.919	3.630	1.00 34.27
	21	C	SER		21		.654	36.302	4.606	1.00 31.16
ATOM	22	0	SER		21		.312	37.328	4.434	1.00 30.44
ATOM	23	N	CYS		22		.494	36.064	4.005	1.00 28.46
ATOM					22		.989	36.913	2.927	1.00 28.63
ATOM	24	CA	CYS				.891	37.819	3.465	1.00 28.57
ATOM	25	CB	CYS		22		.413	38.961	4.757	0.50 34.99
ATOM	26		ACYS		22		.652	39.300	2.462	0.50 30.02
ATOM	27		BCYS		22				1.801	1.00 26.91
ATOM	28	С	CYS		22		.377	36.077	1.717	1.00 26.74
ATOM	29	0	CYS		22		.154	35.976	0.965	1.00 20.74
ATOM	30	N	PRO		23		.204	35.459	-0.080	1.00 27.33
ATOM	31	CA	PRO		23		.683	34.571	-0.574	1.00 27.40
ATOM	32	СВ	PRO		23		.934	33.853	-0.368	1.00 20.30
MOTA	33	CG	PRO		23		. 993	34.875		1.00 30.20
ATOM	34	CD	PRO		23		.674	35.517	0.952	1.00 27.17
MOTA	35	С	PRO		23		.036	35.395	-1.185	
ATOM	36	0	PRO		23		.513	36.495	-1.487	
ATOM	37	N	ILE		24		.929	34.890	-1.723	1.00 25.89
ATOM	38	CA	ILE		24		.148	35.595	-2.723	1.00 24.61
MOTA	39	CB	ILE		24		.747	35.890	-2.154	1.00 25.01
MOTA	40	CG1	ILE		24		.821	36.742	-0.873	1.00 23.94
ATOM	41	CD1			24		.654	38.013	-1.033	1.00 28.76
MOTA	42	CG2			24		.845	36.467	-3.229	1.00 24.43
ATOM	43	С	ILE	А	24		.044	34.641	-3.898	1.00 24.73
ATOM	44	0	ILE	Α	24		.774	33.445	-3.719	1.00 24.14
MOTA	45	N	LYS	Α	25		.262	35.138	-5.112	1.00 23.63
ATOM	46	CA	LYS	Α	25		.158	34.245	-6.261	1.00 23.86
ATOM	47	CB	LYS	Α	25	-4	.639	34.948	- 7.538	1.00 25.41
ATOM	48	CG	LYS	Α	25	-6	.138	35.188	-7.552	1.00 29.05
ATOM	49	CD	LYS	Α	25	-6	.540	35.965	-8.799	
ATOM	50	CE	LYS		25	-8	.054	36.059	-8.951	1.00 40.89
ATOM	51	NZ	LYS		25	-8	.390	36.581	-10.313	1.00 45.05

ATOM	52	С	LYS	Α	25	-2.688	33.885	-6.407		22.99
MOTA	53	0	LYS	Α	25	-1.823	34.725	-6.195	1.00	23.91
ATOM	54	N	ILE	А	26	-2.374	32.643	-6.762	1.00	24.14
ATOM	55	CA	ILE	Α	26	-0.961	32.283	-6.723	1.00	26.45
MOTA	56	CB	ILE		26	-0.718	30.774	-6.781	1.00	26.63
ATOM	57	CG1	ILE		26	-1.088	30.233	-8.158		25.40
ATOM	58	CD1	ILE		26	-0.405	28.926	-8.497		33.92
	59	CG2	ILE		26	-1.424	30.068	-5.616		25.53
ATOM					26	-0.148	33.072	-7.745		28.11
ATOM	60	С	ILE				33.402	-7.493		30.02
ATOM	61	0	ILE		26	1.003				30.78
MOTA	62	N	ASN		27	-0.770	33.454	-8.855		
MOTA	63	CA	ASN		27	-0.033	34.223	-9.862		35.08
ATOM	64	CB	ASN		27	-0.710	34.094	-11.236		34.95
MOTA	65	CG	ASN		27	-1.552	32.824			40.82
ATOM	66	OD1	ASN	А	27	-1.093	31.822			44.00
MOTA	67	ND2	ASN	Α	27	-2.770		-10.778		42.15
ATOM	68	С	ASN	Α	27	0.174	35.683	-9.455	1.00	34.87
MOTA	69	0	ASN	Α	27	0.938	36.415	-10.098	1.00	38.32
ATOM	70	N	GLN	Α	28	-0.491	36.100	-8.379	1.00	33.79
ATOM	71	CA	GLN		28	-0.283	37.411	-7.776	1.00	33.05
ATOM	72	СВ	GLN		28	-1.633	38.093	-7.546	1.00	34.54
ATOM	73	CG	GLN		28	-2.004	39.014	-8.699		40.43
ATOM	74	CD	GLN		28	-3.422	38.827	-9.172		46.19
ATOM	75	OE1	GLN		28	-4.339	38.673	-8.362		49.62
	75 76	NE2			28	-3.612	38.845			49.01
ATOM					28	0.520	37.409	-6.478		31.93
ATOM	77	С	GLN					-5.920		30.78
ATOM	78	0	GLN		28	0.823	38.469			31.01
MOTA	79	N	PHE		29	0.863	36.216	-5.996		
ATOM	80	CA	PHE		29	1.573	36.132	-4.720		29.71
MOTA	81	CB	PHE		29	1.805	34.688	-4.249		29.10
MOTA	82	CG	PHE		29	2.257	34.608	-2.809		25.53
MOTA	83	CD1	PHE	A	29	1.331	34.519	-1.790		25.89
MOTA	84	CE1	PHE	Ą	29	1.749	34.470	-0.465		25.38
MOTA	85	CZ	PHE	Α	29	3.101	34.545	-0.156		23.03
MOTA	86	CE2	PHE	A	29	4.024	34.658	-1.171		22.38
ATOM	87	CD2	PHE	Α	29	3.608	34.678	-2.481	1.00	22.17
MOTA	88	С	PHE	A	29	2.872	36.930	-4.662	1.00	31.08
MOTA	89	0	PHE	Α	29	3.104	37.662	-3.690	1.00	30.41
MOTA	90	N	GLU		30	3.719	36.779	-5.680	1.00	30.60
ATOM	91	CA	GLU		30	5.044	37.388	-5.633	1.00	32.65
ATOM	92	CB	GLU		30	5.766	37.120	-6.953		33.47
ATOM	93	CG	GLU		30	7.107	37.828	-7.096		38.26
ATOM	94	CD	GLU		30	8.210	37.192	-6.273		41.01
					30	8.324	35.942	-6.263		41.31
ATOM	95		GLU							43.55
ATOM	96		GLU		30	8.972	37.954	-5.638 -5.391		32.57
ATOM	97	C	GLU		30	4.913	38.890			
MOTA	98	0	GLU		30	5.570	39.475	-4.523		31.57
ATOM	99	N	GLY		31	4.031	39.504	-6.171		34.44
MOTA	100	CA	GLY		31	3.688	40.905	-5.986		35.40
MOTA	101	С	GLY		31	2.984	41.274	-4.697		35.45
MOTA	102	0	GLY		31	3.285	42.311	-4.102		36.66
ATOM	103	N	HIS	A	32	2.040	40.449	-4.250	1.00	35.17

ATOM	104	CA	HIS.	Α	32		1.406	40.666	-2.953		34.19
ATOM	105	СВ	HIS		32		0.377	39.571	-2.650		33.45
ATOM	106	CG	HIS	A	32	-	-0.137	39.576	-1.239		35.35
MOTA	107	ND1	HIS	Α	32	-	-1.005	40.533	-0.759		34.86
ATOM	108	CE1	HIS	Α	32	-	-1.294	40.275	0.504		38.34
ATOM	109	NE2	HIS	A	32	-	-0.667	39.165	0.856		39.21
ATOM	110	CD2	HIS	Α	32		0.072	38.714	-0.212		36.26
ATOM	111	С	HIS	Α	32		2.471	40.749	-1.861		33.35
ATOM	112	0	HIS	A	32		2.461	41.663	-1.037		31.23
ATOM	113	N	PHE		33		3.409	39.806	-1.884		32.01
ATOM	114	CA	PHE		33		4.435	39.728	-0.852		31.66
ATOM	115	CB	PHE		33		5.168	38.384	-0.942		32.90
ATOM	116	CG	PHE	Α	33		6.024	38.057	0.254		30.75
ATOM	117	CD1	PHE		33		5.708	38.529	1.524		34.33
ATOM	118	CE1	PHE		33		6.507	38.213	2.616		34.24
ATOM	119	CZ	PHE		33		7.643	37.424	2.450	1.00	35.46
ATOM	120	CE2	PHE		33		7.961	36.943	1.186	1.00	32.02
ATOM	121	CD2	PHE		33		7.145	37.255	0.106		27.29
ATOM	122	С	PHE		33		5.395	40.917	-0.953		31.91
ATOM	123	0	PHE		33		5.757	41.484	0.077		30.81
ATOM	124	N	MET		34		5.784	41.309	-2.170		31.13
ATOM	125	CA		Α	34		6.599	42.512	-2.328		34.10
ATOM	126	CB		Α	34		6.951	42.790	-3.797		33.71
ATOM	127	CG		Α	34		7.918	41.787	-4.410		36.64
ATOM	128	SD		Α	34		9.456	41.519	-3.504	1.00	45.35
ATOM	129	CE		Α	34		10.582	40.969	-4.820		46.02
ATOM	130	C		Α	34		5.903	43.709	-1.674		33.09
ATOM	131	0		Α	34		6.504	44.406	-0.866		34.24
ATOM	132	N	LYS	Α	35		4.629	43.919	-1.996		35.14
ATOM	133	CA	LYS		35		3.835	44.999	-1.411		35.12
ATOM	134	CB	LYS		35		2.416	44.986	-1.990	1.00	36.58
ATOM	135	CG	LYS		35		2.372	45.164	-3.500	1.00	39.86
ATOM	136	CD	LYS	Α	35		1.013	45.684	-3.944	1.00	
ATOM	137	CE	LYS	Α	35		1.181	46.751	-5.007		46.40
ATOM	138	NZ	LYS	Α	35		1.355	46.127	-6.352		48.36
ATOM	139	С	LYS		35		3.808	44.960	0.122		35.83
ATOM	140	0	LYS		35		4.075	45.958	0.793	1.00	34.45
ATOM	141	N	LEU	Α	36		3.505	43.799	0.695	1.00	34.49
ATOM	142	CA	LEU	Α	36		3.546	43.658	2.144	1.00	33.34
MOTA	143	СВ	LEU	Α	36		3.238	42.218	2.534		33.70
ATOM	144	CG	LEU		36		1.800	41.748	2.349		34.08
MOTA	145	CD1	LEU	Α	36		1.759	40.272	2.714		39.25
MOTA	146	CD2	LEU		36		0.827	42.549	3.202		35.36
ATOM	147	С	LEU	Α	36		4.908	44.006	2.720		34.23
ATOM	148	0	LEU		36		5.017	44.469	3.855		32.77
ATOM	149	N	GLN		37		5.952	43.758	1.934		36.11
ATOM	150	CA	GLN		37		7.315	43.871	2.434		38.15
ATOM	151	СВ	GLN		37		8.226	42.852	1.746		39.69
ATOM	152	CG	GLN		37		8.393	41.537	2.507		41.08
ATOM	153	CD	GLN		37		9.248	40.543	1.750		42.50
ATOM	154	OE1			37		10.228	40.029	2.281		46.33
ATOM	155		GLN		37		8.882	40.274	0.505	1.00	46.39
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MOTA	156	С	GLN	A	37	7.888	45.280	2.283	1.00 39.26
ATOM	157	0	GLN	Α	37	8.913	45.600	2.881	1.00 38.73
ATOM	158	N	ALA	Α	38	7.219	46.099	1.481	1.00 39.85
ATOM	159	CA	ALA	A	38	7.634	47.480	1.237	1.00 41.68
MOTA	160	СВ	ALA	Α	38	6.717	48.129	0.200	1.00 40.33
ATOM	161	С	ALA	Α	38	7.638	48.288	2.538	1.00 42.41
ATOM	162	0	ALA		38	7.000	47.898	3.515	1.00 42.66
ATOM	163	N	ASP		39	8.358	49.408	2.545	1.00 43.16
ATOM	164	CA	ASP		39	8.490	50.253	3.731	1.00 43.58
ATOM	165	СВ	ASP		39	7.222	51.066	3.995	1.00 43.94
ATOM	166	CG	ASP		39	6.539	51.521	2.733	1.00 46.50
ATOM	167		ASP		39	5.474	52.165	2.853	1.00 53.13
ATOM	168		ASP		39	6.982	51.279	1.592	1.00 51.25
ATOM	169	C	ASP		39	8.782	49.487	5.011	1.00 43.69
ATOM	170	0	ASP		39	8.062	49.653	5.991	1.00 44.78
	171	N	SER		40	9.823	48.663	5.025	1.00 44.51
ATOM	172	CA	SER		40	10.177	47.964	6.256	1.00 44.47
MOTA	173	CB	SER		40	10.697	48.954	7.308	1.00 45.60
ATOM			SER		40	11.858	49.640	6.852	1.00 45.70
ATOM	174	OG C			40	8.934	47.224	6.770	1.00 44.23
ATOM	175	C	SER		40	8.450	47.477	7.879	1.00 43.64
ATOM	176	0	SER		41	8.410	46.338	5.927	1.00 42.57
MOTA	177	N	ASN			7.313	45.448	6.293	1.00 41.50
ATOM	178	CA	ASN		41	7.802	44.364	7.264	1.00 42.19
ATOM	179	CB	ASN		41	8.525	43.225	6.559	1.00 43.25
ATOM	180	CG	ASN		41	8.753	43.268	5.350	1.00 47.07
ATOM	181		ASN		41		42.200	7.317	1.00 44.15
MOTA	182	ND2			41	8.897	46.146	6.805	1.00 40.97
MOTA	183	C	ASN		41	6.051		7.559	1.00 40.09
MOTA	184	0	ASN		41	5.262	45.570	6.370	1.00 39.82
MOTA	185	N	TYR		42	5.842	47.383	6.859	1.00 40.35
MOTA	186	CA	TYR		42	4.723	48.184	6.125	1.00 40.33
ATOM	187	СВ	TYR		42	4.655	49.528	6.527	1.00 45.15
ATOM	188	CG	TYR		42	3.461	50.359	7.753	1.00 48.34
MOTA	189	CD1			42	3.431	51.021		1.00 51.74
ATOM	190	CE1			42	2.333	51.778	8.137	1.00 54.21
ATOM	191	CZ	TYR		42	1.246	51.877	7.287	1.00 54.21
ATOM	192	OH	TYR		42	0.154	52.632	7.659	1.00 52.92
ATOM	193	CE2			42	1.250	51.227	6.065 5.690	1.00 32.32
ATOM	194	CD2			42	2.358	50.472		1.00 43.40
MOTA	195	С	TYR		42	3.369	47.472	6.809	1.00 37.47
ATOM	196	0	TYR		42	2.685	47.355	7.826	
MOTA	197	N	LEU		43	2.985	46.978	5.635	1.00 37.22
ATOM	198	CA	LEU		43	1.667	46.380	5.480	1.00 34.65
ATOM	199	CB	LEU		43	1.205	46.392	4.021	1.00 36.77
ATOM	200	CG	LEU		43	0.731	47.739	3.455	1.00 34.94
ATOM	201	CD1	LEU		43	0.530	47.603	1.962	1.00 38.85
ATOM	202	CD2	LEU	A	43	-0.567	48.164	4.139	1.00 37.34
ATOM	203	С	LEU	Α	43	1.660	44.953	6.016	1.00 34.58
ATOM	204	0	LEU	Α	43	0.613	44.459	6.441	1.00 33.18
ATOM	205	N	LEU	Α	44	2.812	44.290	5.972	1.00 32.70
ATOM	206	CA	LEU		44	2.917	42.976	6.606	1.00 32.37
ATOM	207	СВ	LEU		44	4.316	42.376	6.458	1.00 32.08

ATOM	208	CG	LEU F	44	4.293	40.922	6.948	1.00 30.67
ATOM	209	CD1	LEU F	44	4.884	39.953	5.934	1.00 35.30
ATOM	210	CD2	LEU A	44	4.877	40.746	8.342	1.00 30.73
ATOM	211	С	LEU A		2.574	43.078	8.092	1.00 33.04
ATOM	212	Ō	LEU F		1.743	42.326	8.603	1.00 31.84
ATOM	213	N	SER A		3.248	43.992	8.784	1.00 32.72
		CA	SER A		3.023	44.200	10.211	1.00 32.14
ATOM	214				3.937	45.297	10.761	1.00 32.86
ATOM	215	CB	SER A		5.298	44.946	10.616	1.00 33.52
ATOM	216	OG	SER A			44.543	10.543	1.00 33.32
ATOM	217	С	SER A		1.579		11.562	1.00 31.90
ATOM	218	0	SER A		1.063	44.085		1.00 31.93
ATOM	219	N	LYS A		0.937	45.378	9.730	
ATOM	220	CA	LYS A		-0.452	45.743	9.983	1.00 32.52
MOTA	221	CB	LYS A		-0.907	46.880	9.058	1.00 33.10
ATOM	222	CG	LYS A	46	-0.320	48.247	9.408	1.00 37.46
ATOM	223	CD	LYS A	46	-1.206	49.024	10.362	1.00 43.28
ATOM	224	CE	LYS A	4 46	-0.660	48.938	11.785	1.00 46.45
ATOM	225	NZ	LYS A	4 4 6	-1.645	48.309	12.714	1.00 43.98
MOTA	226	С	LYS A	46	-1.361	44.534	9.819	1.00 31.81
MOTA	227	0	LYS A	46	-2.279	44.313	10.608	1.00 33.52
MOTA	228	N	GLU A		-1.108	43.735	8.788	1.00 30.77
ATOM	229	CA	GLU A		-1.921	42.546	8.607	1.00 29.42
ATOM	230	CB	GLU A		-1.527	41.852	7.317	1.00 29.31
ATOM	231	CG	GLU A		-2.261	40.540	7.157	1.00 30.91
ATOM	232	CD	GLU A		-2.032	39.991	5.770	1.00 33.04
	233	OE1			-2.462	40.656	4.790	1.00 31.27
ATOM	234	OE2			-1.387	38.923	5.697	1.00 30.22
MOTA					-1.745	41.573	9.764	1.00 27.29
ATOM	235	C	GLU A		-2.729	41.065	10.317	1.00 28.88
ATOM	236	0	GLU A			41.316	10.110	1.00 27.52
ATOM	237	N	TYR A		-0.488	40.444	11.234	1.00 27.32
ATOM	238	CA	TYR A		-0.170		11.426	1.00 26.41
MOTA	239	CB	TYR A		1.337	40.327		
MOTA	240	CG	TYR A		1.697	39.418	12.574	1.00 30.88
ATOM	241	CD1	TYR A		1.508	38.039	12.489	1.00 27.50
MOTA	242	CE1	TYR A		1.854	37.212	13.547	1.00 26.46
ATOM	243	CZ	TYR A		2.341	37.759	14.713	1.00 31.48
ATOM	244	OH	TYR A		2.683	36.975	15.797	1.00 33.16
MOTA	245	CE2	TYR A		2.539	39.118	14.814	1.00 33.37
MOTA	246	CD2	TYR A	A 48	2.198	39.937	13.760	1.00 31.15
MOTA	247	С	TYR A	48	-0.807	40.876	12.555	1.00 30.00
ATOM	248	0	TYR A	A 48	-1.212	40.047	13.374	1.00 29.71
MOTA	249	N	GLU A	A 49	-0.867	42.179	12.800	1.00 29.94
MOTA	250	CA	GLU Z		-1.423	42.607	14.082	1.00 29.29
ATOM	251	СВ	GLU Z		-0.863	43.970	14.510	1.00 31.83
ATOM	252	CG	GLU Z		0.648	43.941	14.759	1.00 34.43
ATOM	253	CD	GLU Z		1.103	43.090	15.942	1.00 41.82
ATOM	254	OE1			2.329	42.964	16.146	1.00 45.44
	255	OE1			0.267	42.555	16.705	1.00 49.14
ATOM		C	GLU Z		-2.948	42.494	14.156	1.00 28.43
ATOM	256				-3.519	42.445	15.243	1.00 28.47
ATOM	257	0	GLU Z			42.362	13.243	1.00 26.77
ATOM	258	N	GLU Z		-3.597	42.302	12.939	1.00 28.42
MOTA	259	CA	GLU Z	A 50	-5.026	42.123	14.333	1.00 20.42

7.004	260	C.D.	CTII	71.	E 0	-5.501	42.167	11.493	1.00 29.72
ATOM	260	CB	GLU		50		43.555	10.902	1.00 23.72
ATOM	261	CG	GLU		50	-5.695		9.635	1.00 37.00
MOTA	262	CD	GLU		50	-6.521	43.494	9.235	1.00 48.22
MOTA	263	OE1	GLU		50	-7.094	44.536		
ATOM	264	OE2	GLU		50	-6.588	42.394	9.038	1.00 51.31
MOTA	265	С	GLU		50	-5.369	40.744	13.487	1.00 26.59
ATOM	266	0	GLU		50	-6.498	40.514	13.903	1.00 28.10
ATOM	267	N	LEU		51	-4.385	39.855	13.481	1.00 26.25
ATOM	268	CA	LEU		51	-4.561	38.486	13.994	1.00 23.60
MOTA	269	CB	LEU		51	-3.585	37.538	13.284	1.00 22.99
ATOM	270	CG	LEU		51	-3.829	37.234	11.798	1.00 22.34
ATOM	271	CD1	LEU	Α	51	-2.549	36.611	11.228	1.00 18.21
ATOM	272	CD2	LEU	А	51	-5.087	36.385	11.612	1.00 24.13
ATOM	273	С	LEU	Α	51	-4.370	38.363	15.509	1.00 24.96
ATOM	274	0	LEU	Α	51	-4.677	37.326	16.111	1.00 22.08
ATOM	275	N	LYS	Α	52	-3.855	39.417	16.144	1.00 26.20
ATOM	276	CA	LYS	Α	52	-3.365	39.323	17.514	1.00 26.71
ATOM	277	CB	LYS	Α	52	-2.860	40.693	17.980	1.00 26.43
ATOM	278	CG	LYS	Α	52	-2.737	40.861	19.471	1.00 33.28
ATOM	279	CD	LYS	Α	52	-2.346	42.297	19.849	1.00 36.15
ATOM	280	CE	LYS		52	-2.370	42.442	21.371	1.00 39.71
ATOM	281	NZ	LYS	Α	52	-3.746	42.725	21.891	1.00 41.67
ATOM	282	С	LYS		52	-4.401	38.751	18.487	1.00 25.95
ATOM	283	Ō	LYS		52	-4.071	37.922	19.335	1.00 28.87
ATOM	284	N	ASP		53	-5.647	39.193	18.369	1.00 25.82
ATOM	285	CA		A	53	-6.665	38.840	19.352	1.00 27.69
ATOM	286	CB	ASP		53	-7.547	40.052	19.677	1.00 29.82
ATOM	287	CG	ASP		53	-6.811	41.109	20.492	1.00 35.24
ATOM	288	OD1	ASP		53	-7.138	42.300	20.303	1.00 41.07
ATOM	289		ASP		53	-5.893	40.851	21.306	1.00 38.05
ATOM	290	C	ASP		53	-7.569	37.670	18.980	1.00 25.40
ATOM	291	0	ASP		53	-8.525	37.364	19.698	1.00 26.92
ATOM	292	N	VAL		54	-7.297	37.026	17.853	1.00 21.25
ATOM	293	CA	VAL		54	-8.181	35.958	17.403	1.00 20.37
ATOM	294	СВ	VAL		54	-7.674	35.400	16.059	1.00 20.28
ATOM	295	CG1	VAL		54	-8.452	34.176	15.627	1.00 20.13
ATOM	296	CG2	VAL		54	-7.640	36.526	14.988	1.00 20.70
ATOM	297	С	VAL		54	-8.155	34.888	18.496	1.00 21.34
ATOM	298	0	VAL	Α	54	-7.068	34.539	18.969	1.00 21.56
ATOM	299	N	GLY		55	-9.345	34.408	18.857	1.00 19.73
ATOM	300	CA	GLY		55	-9.501	33.351	19.830	1.00 21.36
ATOM	301	С	GLY		55	-9.516	33.779	21.284	1.00 25.60
ATOM	302	0	GLY		55	-9.779	32.934	22.137	1.00 25.18
ATOM	303	N	ARG		56	-9.243	35.041	21.597	1.00 28.66
ATOM	304	CA	ARG		56	-8.825	35.351	22.967	1.00 33.28
ATOM	305	СВ	ARG		56	-7.723	36.420	23.019	1.00 34.38
ATOM	306	CG	ARG		56	-6.566	36.172	22.048	1.00 38.44
ATOM	307	CD	ARG		56	-5.400	35.366	22.594	1.00 41.11
ATOM	308	NE	ARG		56	-4.139	35.991	22.211	1.00 47.68
ATOM	309	CZ	ARG		56	-3.441	36.808	22.989	1.00 51.01
ATOM	310		ARG		56	-3.880	37.097	24.206	1.00 50.37
ATOM	311		ARG		56	-2.308	37.346	22.551	1.00 48.68
AION	711	14112	11110		50	2.500	3010		

ATOM	312	С	ARG	Α	56	-10.003	35.704	23.870	1.00 34.09
ATOM	313	0	ARG	Α	56	-9.826	36.081	25.030	1.00 37.38
ATOM	314	N	ASN	Α	57	-11.198	35.540	23.319	1.00 34.85
ATOM	315	CA	ASN	A	57	-12.448	35.609	24.046	1.00 34.43
ATOM	316	СВ	ASN	A	57	-13.561	35.897	23.039	1.00 35.95
ATOM	317	CG	ASN		57	-13.661	34.836	21.944	1.00 40.08
ATOM	318	OD1	ASN		57	-12.748	34.655	21.124	1.00 42.89
ATOM	319	ND2	ASN		57	-14.799	34.144	21.912	1.00 40.39
ATOM	320	C	ASN		57	-12.760	34.309	24.799	1.00 31.67
	321	0	ASN		57	-13.767	34.232	25.487	1.00 33.78
ATOM	322	N	GLN		58	-11.920	33.286	24.653	1.00 27.75
ATOM	323	CA	GLN		58	-12.243	31.931	25.119	1.00 24.28
ATOM					58	-11.843	30.903	24.058	1.00 23.90
ATOM	324	CB	GLN			-11.645	31.051	22.743	1.00 25.65
ATOM	325	CG	GLN		58		30.074	21.714	1.00 26.89
ATOM	326	CD	GLN		58	-12.102			1.00 28.76
MOTA	327	OE1	GLN		58	-10.971	30.202	21.238	
ATOM	328	NE2	GLN		58	-12.933	29.084	21.381	1.00 28.16
ATOM	329	С	GLN		58	-11.584	31.583	26.458	1.00 23.11
ATOM	330	0	GLN		58	-10.450	32.001	26.725	1.00 21.96
MOTA	331	N	SER	Α	59	-12.285	30.801	27.284	1.00 21.91
MOTA	332	CA	SER		59	-11.880	30.520	28.667	1.00 21.56
ATOM	333	CB	SER	Α	59	-13.120	30.331	29.548	1.00 25.89
MOTA	334	OG	SER	Α	59	-13.853	29.160	29.159	1.00 30.06
ATOM	335	С	SER	Α	59	-10.966	29.293	28.744	1.00 20.75
ATOM	336	0	SER	Α	59	-11.067	28.413	27.879	1.00 21.59
ATOM	337	N	CYS	Α	60	-10.045	29.281	29.717	1.00 17.44
ATOM	338	CA	CYS	Α	60	-9.241	28.110	30.066	1.00 16.53
ATOM	339	СВ	CYS		60	-7.727	28.401	29.837	1.00 16.03
MOTA	340	SG	CYS		60	-7.335	28.999	28.191	1.00 20.55
ATOM	341	C	CYS		60	-9.464	27.783	31.540	1.00 15.89
ATOM	342	Ö	CYS		60	-8.518	27.605	32.301	1.00 16.90
ATOM	343	N	ASP		61	-10.724	27.666	31.948	1.00 16.95
ATOM	344	CA	ASP		61	-11.008	27.467	33.364	1.00 18.02
ATOM	345	CB	ASP		61	-12.496	27.660	33.610	1.00 19.47
ATOM	346	CG	ASP		61	-12.954	29.082	33.379	1.00 24.64
	347	OD1			61	-12.160	30.049	33.365	1.00 20.11
ATOM		OD1	ASP		61	-14.155	29.306	33.171	1.00 24.81
ATOM	348			A	61	-10.574	26.102	33.887	1.00 20.07
ATOM	349	C			61	-10.102	25.997	35.007	1.00 21.40
ATOM	350	0	ASP				25.062	33.064	1.00 17.97
ATOM	351	N	ILE		62	-10.679		33.574	1.00 17.37
ATOM	352	CA	ILE		62	-10.298	23.747		1.00 14.99
ATOM	353	CB	ILE		62	-10.723	22.652	32.564	
MOTA	354	CG1	ILE		62	-12.247	22.609	32.414	1.00 19.52
ATOM	355	CD1	ILE		62	-12.918	22.254	33.696	1.00 24.86
ATOM	356	CG2			62	-10.213	21.266	32.987	1.00 18.74
MOTA	357	С	ILE		62	-8.779	23.712	33.804	1.00 17.57
ATOM	358	0	ILE	Α	62	-8.295	23.179	34.802	1.00 18.69
ATOM	359	N	ALA	Α	63	-8.036	24.245	32.841	1.00 16.86
ATOM	360	CA	ALA	Α	63	-6.570	24.285	32.923	1.00 18.52
ATOM	361	CB	ALA	Α	63	-5.999	24.905	31.623	1.00 18.66
ATOM	362	С	ALA		63	-6.075	25.067	34.155	1.00 19.62
ATOM	363	0	ALA		63	-4.972	24.842	34.653	1.00 20.46

ATOM	364	N	LEU	Α	64	-6.919	25.972	34.632	1.00 20.64
ATOM	365	CA	LEU	Α	64	-6.605	26.811	35.779	1.00 21.59
ATOM	366	CB	LEU	Α	64	-7.316	28.157	35.640	1.00 21.74
ATOM	367	CG	LEU	Α	64	-6.603	29.150	34.735	1.00 22.91
ATOM	368	CD1	LEU	Α	64	-7.504	30.360	34.530	1.00 26.23
ATOM	369	CD2			64	-5.274	29.607	35.346	1.00 20.97
ATOM	370	С	LEU		64	-6.988	26.205	37.128	1.00 23.83
ATOM	371	0	LEU		64	-6.666	26.792	38.168	1.00 24.37
ATOM	372	N	LEU		65	-7.690	25.071	37.144	1.00 23.26
ATOM	373	CA	LEU		65	-8.009	24.427	38.418	1.00 25.30
ATOM	374	CB	LEU		65	-8.892	23.199	38.218	1.00 23.61
ATOM	375	CG	LEU		65	-10.281	23.423	37.623	1.00 25.74
	376		LEU		65	-10.875	22.077	37.228	1.00 27.81
MOTA	377		LEU		65	-11.154	24.183	38.616	1.00 27.81
ATOM					65	-6.739	24.165	39.184	1.00 25.22
ATOM	378	C	LEU		65	-5.741	23.654	38.606	1.00 23.22
ATOM	379	0	LEU				24.280	40.498	1.00 26.80
ATOM	380	N	PRO		66	-6.716		41.234	1.00 26.96
ATOM	381	CA	PRO		66	-5.463	24.105	41.234	1.00 28.00
ATOM	382	CB	PRO		66	-5.830	24.483		
ATOM	383	CG	PRO		66	-7.289	24.642	42.717	1.00 27.81
ATOM	384	CD	PRO		66	-7.827	24.762	41.333	1.00 29.27
ATOM	385	C	PRO		66	-4.917	22.683	41.121	1.00 27.13
ATOM	386	0	PRO		66	-3.697	22.517	41.088	1.00 25.29
ATOM	387	N	GLU		67	-5.819	21.707	41.019	1.00 27.81
ATOM	388	CA	GLU		67	-5.504	20.294	40.825	1.00 28.93
ATOM	389	CB	GLU		67	-6.818	19.510	40.733	1.00 30.51
ATOM	390	CG Z	AGLU	Α	67	-6.790	18.040	41.147	0.50 32.82
ATOM	391	CG I	BGLU	Α	67	-7.575	19.363	42.052	0.50 29.81
ATOM	392	CD A	AGLU	Α	67	-5.497	17.580	41.804	0.50 34.06
ATOM	393	CD I	BGLU	Α	67	-8.575	20.471	42.362	0.50 32.38
ATOM	394	OE1	AGLU	Α	67	-5.465	17.473	43.049	0.50 33.59
ATOM	395	OE1	BGLU	Α	67	-8.580	21.554	41.729	0.50 28.29
ATOM	396	OE2	AGLU	Α	67	-4.523	17.281	41.077	0.50 37.14
ATOM	397	OE2	BGLU	Α	67	-9.376	20.260	43.298	0.50 33.73
ATOM	398	С	GLU	Α	67	-4.681	20.052	39.557	1.00 28.81
ATOM	399	0	GLU	Α	67	-3.896	19.100	39.474	1.00 28.70
ATOM	400	N	ASN	Α	68	-4.841	20.938	38.577	1.00 27.24
ATOM	401	CA	ASN	Α	68	-4.105	20.833	37.324	1.00 26.55
ATOM	402	СВ	ASN	Α	68	-5.043	21.171	36.157	1.00 23.97
ATOM	403	CG	ASN	Α	68	-6.154	20.139	35.977	1.00 25.76
ATOM	404		ASN		68	-5.976	18.936	36.227	1.00 21.62
ATOM	405		ASN		68	-7.312	20.596	35.510	1.00 21.09
ATOM	406	С	ASN		68	-2.780	21.602	37.228	1.00 25.64
ATOM	407	Ö	ASN		68	-2.087	21.528	36.213	1.00 26.59
ATOM	408	N	ARG		69	-2.397	22.344	38.269	1.00 27.31
ATOM	409	CA	ARG		69	-1.330	23.336	38.101	1.00 26.13
ATOM	410	CB	ARG		69	-1.137	24.132	39.402	1.00 28.24
ATOM	411	CG	ARG		69	0.208	24.842	39.456	1.00 33.49
ATOM	412	CD	ARG		69	0.727	25.045	40.870	1.00 45.09
			ARG		69	2.100	24.568	41.036	1.00 48.71
ATOM	413	NE CZ	ARG		69	3.132	25.001	40.319	1.00 51.40
ATOM	414	CZ NU1				2.961	25.927	39.384	1.00 45.02
ATOM	415	NHI	ARG	А	69	2.901	23.321	33.304	1.00 40.02

ATOM	416	NH2	ARG	Α	69	4.347	24.514	40.549	1.00 54.13
ATOM	417	С	ARG	Α	69	0.003	22.714	37.665	1.00 26.18
ATOM	418	0	ARG	Α	69	0.695	23.211	36.756	1.00 27.17
ATOM	419	N	GLY	Α	70	0.319	21.578	38.279	1.00 24.09
ATOM	420	CA	GLY	Α	70	1.568	20.888	37.993	1.00 22.34
ATOM	421	C	GLY	Α	70	1.556	20.175	36.648	1.00 22.09
ATOM	422	0	GLY		70	2.579	19.634	36.252	1.00 22.14
ATOM	423	N	LYS	Α	71	0.417	20.179	35.962	1.00 18.88
ATOM	424	CA	LYS	Α	71	0.261	19.527	34.658	1.00 18.61
ATOM	425	СВ	LYS		71	-1.192	19.057	34.499	1.00 18.52
ATOM	426	CG	LYS		71	-1.516	18.010	35.558	1.00 17.03
ATOM	427	CD	LYS		71	-2.862	17.421	35.371	1.00 16.16
ATOM	428	CE	LYS		71	-3.257	16.744	36.685	1.00 19.61
ATOM	429	NZ	LYS		71	-4.691	16.331	36.616	1.00 22.15
ATOM	430	C	LYS		71	0.589	20.487	33.527	1.00 18.47
ATOM	431	0	LYS		71	0.596	20.124	32.341	1.00 18.95
ATOM	432	N	ASN		72	0.790	21.743	33.885	1.00 18.67
ATOM	433	CA	ASN		72	1.126	22.757	32.879	1.00 19.34
ATOM	434	CB	ASN		72	0.245	23.977	33.056	1.00 18.51
ATOM	435	CG	ASN		72	-1.206	23.648	32.847	1.00 17.81
ATOM	436	OD1	ASN		72	-1.576	23.040	31.838	1.00 16.74
ATOM	437		ASN		72	-2.035	24.037	33.801	1.00 18.58
ATOM	437	C	ASN		72	2.591	23.158	32.922	1.00 18.69
ATOM	439	0	ASN		72	3.075	23.556	33.981	1.00 19.55
ATOM	440	N	ARG		73	3.298	22.983	31.806	1.00 19.19
	441	CA	ARG		73	4.706	23.394	31.736	1.00 18.17
ATOM		CB	ARG		73	5.277	23.098	30.351	1.00 18.40
ATOM	442		ARG		73	6.735	23.539	30.185	1.00 16.99
ATOM	443	CG				7.388	23.053	28.874	1.00 16.70
ATOM	444	CD	ARG		73 73	7.620	21.604	28.934	1.00 16.40
ATOM	445	NE	ARG		73 73	8.650	21.004	29.565	1.00 10.40
ATOM	446	CZ	ARG					30.213	1.00 13.02
ATOM	447		ARG		73	9.534	21.783		1.00 21.72
ATOM	448		ARG		73	8.794	19.709	29.568	1.00 20.41
ATOM	449	C	ARG		73	4.811	24.891	31.984	
ATOM	450	0	ARG		73	5.660	25.359	32.765	1.00 21.05
ATOM	451	N	TYR		74	3.961	25.633	31.292	1.00 18.61 1.00 18.09
ATOM	452	CA	TYR		74	3.919	27.081	31.449	_ :
ATOM	453	CB	TYR		74	4.190	27.726	30.102	1.00 16.79
ATOM	454	CG	TYR		74	5.560	27.365	29.541	1.00 16.34
ATOM	455		TYR		74	6.722	27.696	30.196	1.00 20.25
MOTA	456		TYR		74	7.971	27.371	29.649	1.00 21.10
MOTA	457	CZ	TYR		74	8.034	26.643	28.469	1.00 18.00
ATOM	458	ОН	TYR		74	9.254	26.324	27.902	1.00 18.74
ATOM	459		TYR		74	6.879	26.318	27.803	1.00 20.42
ATOM	460		TYR		74	5.644	26.667	28.342	1.00 17.70
ATOM	461	С	TYR		74	2.539	27.463	31.946	1.00 20.00
ATOM	462	0	TYR		74	1.567	27.207	31.254	1.00 19.46
ATOM	463	N	ASN		75	2.442	28.052	33.138	1.00 19.96
ATOM	464	CA	ASN		75	1.125	28.228	33.729	1.00 18.71
ATOM	465	СВ	ASN		75	1.218	28.665	35.186	1.00 19.98
MOTA	466	CG	ASN	Α	75	1.531	27.534	36.144	1.00 28.50
ATOM	467	OD1	ASN	Α	75	1.941	27.798	37.276	1.00 41.57

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ATOM	468		ASN		75		1.291	26.2		35.74		
MOTA	469	С	ASN		75		300	29.2		32.97		
MOTA	470	0	ASN		75).933	29.3		33.12		
MOTA	471	N	ASN		76).970	30.0		32.12 31.25		
MOTA	472	CA	ASN		76		307	30.9				
MOTA	473	CB	ASN		76		1.089	32.2		31.17		
MOTA	474	CG	ASN		76		2.392	32.		30.42		
MOTA	475	OD1	ASN		76		3.099	31.3		30.60 29.54		
MOTA	476	ND2			76 76		2.677	33.0		29.82		
MOTA	477	C	ASN		76 76		0.027	30.4 31.2		29.02		
ATOM	478	0	ASN		76		0.587 0.332	29.2		29.49		
ATOM	479	N	ILE		77 77		0.023	28.0		28.17		
ATOM	480	CA	ILE		77		1.267	28.2		27.36		
ATOM	481	CB	ILE		77 77		2.270	29.4		27.28		
MOTA	482	CG1	ILE		77		1.825	30.		26.47		24.18
ATOM	483	CD1 CG2	ILE		77		0.802	27.8		25.95		
MOTA	484	CGZ	ILE		77		0.875	27.4		28.35		
MOTA	485 486	0	ILE		77		0.438	26.3		28.72		
ATOM		N	LEU		78		2.171	27.		28.17		
MOTA	487 488	CA	LEU		78		3.177	26.		28.61		
MOTA	489	CB	LEU		78		3.970	27.		29.78		
ATOM ATOM	490	CG	LEU		78		3.103	27.8		30.95		
ATOM	491	CD1	LEU		78		3.971	28.		32.01		
ATOM	492		LEÜ		78		2.351	26.		31.53		
ATOM	493	C	LEU		78		4.116	26.		27.44		
ATOM	494	Ö	LEU		78		4.338	27.		26.64		
ATOM	495	N	PRO		79		4.676	25.		27.36		15.77
ATOM	496	CA	PRO		79		5.657	25.0		26.32		16.37
ATOM	497	СВ	PRO		79		5.825	23.		26.46	5 1.00	15.52
ATOM	498	CG	PRO		79		5.511	23.	196	27.89	6 1.00	16.91
ATOM	499	CD	PRO		79		4.409	24.	186	28.26	9 1.00	16.37
ATOM	500	С	PRO	Α	79	-	7.001	25.	658	26.65	7 1.00	15.83
ATOM	501	0	PRO	Α	79	-	7.397	25.	687	27.82		
ATOM	502	N	TYR	Α	80		7.668	26.	191	25.63	9 1.00	17.68
ATOM	503	CA	TYR	A	80	- !	9.073	26.	594	25.77		
ATOM	504	CB	TYR	Α	80	- !	9.571	27.		24.42		
ATOM	505	CG	TYR	A	80	- (3.862	28.		23.97		
MOTA	506	CD1	TYR	A	80		8.661	29.		24.86		
MOTA	507	CE1	TYR		80		3.008	30.		24.45		18.65
ATOM	508	CZ	TYR		80		7.552	30.		23.16		
ATOM	509	OH	TYR		80		6.951	31.		22.79		19.69
MOTA	510	CE2	TYR		80		7.730	29.		22.25		19.15
MOTA	511	CD2	TYR		80		8.363	28.		22.67		18.51
MOTA	512	С	TYR		80		9.944	25.		26.19		17.71
MOTA	513	0	TYR		80		9.835	24.		25.64		18.31
MOTA	514	N	ASP		81		0.884	25.		27.09		17.08
MOTA	515	CA	ASP		81		1.881	24.		27.44		17.40
MOTA	516	CB	ASP		81		2.929	25.		28.33		18.47
MOTA	517	CG	ASP		81		2.361	25.		29.64		22.96
MOTA	518		ASP		81		1.447	25.		30.22		20.84
ATOM	519	OD2	ASP	A	81	-13	2.841	26.	194	30.20	1.00	19.85

ATOM	520	С	ASP	A	81		-12.568	24.065	26.215		16.40
ATOM	521	0	ASP	Α	81		-12.790	22.845	26.175	1.00	18.31
ATOM	522	N	ALA	Α	82		-12.901	24.923	25.248	1.00	18.79
ATOM	523	ÇA	ALA	Α	82		-13.714	24.544	24.096	1.00	21.05
ATOM	524	СВ	ALA	Α	82	,	-14.082	25.787	23.284	1.00	22.15
ATOM	525	C	ALA		82		-13.065	23.500	23.194	1.00	20.96
ATOM	526	Ō	ALA		82		-13.763	22.798	22.459	1.00	19.35
ATOM	527	N	THR		83		-11.730	23.441	23.203		18.07
	528	CA	THR		83		-11.029	22.560	22.274	1.00	20.13
ATOM	529	CB	THR		83		-10.260	23.375	21.204		21.39
ATOM		OG1	THR		83		-9.399	24.306	21.888		20.87
ATOM	530				83		-11.215	24.257	20.373		22.64
ATOM	531	CG2	THR					21.647	22.962		19.11
ATOM	532	C	THR		83		-10.015				18.63
ATOM	533	0	THR		83		-9.241	21.027	22.255		16.72
ATOM	534	N	ARG		84		-10.008	21.543	24.292	1.00	
ATOM	535	CA	ARG		84		-8.994	20.752	24.973		18.30
ATOM	536	CB	ARG		84		-8.977	21.025	26.481		20.17
MOTA	537	CG	ARG		84		-10.132	20.412	27.255		21.69
ATOM	538	CD	ARG		84		-10.152	20.875	28.716		21.07
ATOM	539	NE	ARG		84		-11.233	20.227	29.455	1.00	18.74
ATOM	540	CZ	ARG	Α	84		-11.068	19.171	30.257		17.05
ATOM	541	NH1	ARG	Α	84		-9.857	18.640	30.407		17.98
ATOM	542	NH2	ARG	А	84		-12.125	18.639	30.884	1.00	17.21
ATOM	543	С	ARG	Α	84		-9.207	19.276	24.702	1.00	18.78
ATOM	544	0	ARG	Α	84		-10.348	18.839	24.517	1.00	19.49
ATOM	545	N	VAL	Α	85		-8.108	18.538	24.710	1.00	17.44
ATOM	546	CA	VAL	Α	85		-8.130	17.081	24.614	1.00	17.40
ATOM	547	СВ	VAL	Α	85		-6.799	16.539	24.064	1.00	18.13
ATOM	548	CG1	VAL	Α	85		-6.897	15.001	23.926	1.00	17.98
ATOM	549	CG2	VAL		85		-6.493	17.177	22.686	1.00	19.36
ATOM	550	С	VAL		85		-8.371	16.488	26.003	1.00	18.79
ATOM	551	Ō	VAL		85		-7.719	16.869	26.976	1.00	19.65
ATOM	552	N	LYS		86		-9.315	15.555	26.094	1.00	18.68
ATOM	553	CA	LYS		86		-9.613	14.946	27.396	1.00	17.68
ATOM	554	СВ	LYS		86		-11.137	14.942	27.623	1.00	18.74
ATOM	555	CG	LYS		86		-11.672	16.355	27.728		22.75
ATOM	556	CD	LYS		86		-13.167	16.435	27.837	1.00	27.00
ATOM	557	CE		A	86		-13.540	17.906	27.691	1.00	30.36
ATOM	558	NZ	LYS		86		-14.942	18.132	27.228		34.08
					86		-9.118	13.517	27.445		19.75
ATOM	559	С	LYS LYS		86		-9.357	12.766	26.489		22.00
ATOM	560	0			87		-8.443	13.188	28.544		19.49
ATOM	561	N	LEU					11.819	28.836		21.14
ATOM	562	CA	LEU		87		-8.007	11.849	29.871		20.71
ATOM	563	CB	LEU		87		-6.883		29.453		24.00
ATOM	564	CG	LEU		87		-5.611	12.606	30.634		23.82
ATOM	565		LEU		87		-4.671	12.651			
ATOM	566		LEU		87		-4.924	11.964	28.229		22.65
MOTA	567	C	LEU		87		-9.214	11.092	29.426		21.83
ATOM	568	0	LEU		87		-10.077	11.716	30.069		21.33
ATOM	569	N	SER		88		-9.278	9.777	29.239		22.50
ATOM	570	CA	SER		88		-10.267	9.015	30.030		27.20
MOTA	571	CB	SER	А	88		-10.199	7.517	29.746	1.00	26.15

ATOM	572	OG	SER	Α	88	-8.930	6.992	30.099	1.00 27.44
ATOM	573	С	SER	Α	88	-10.120	9.264	31.527	1.00 29.45
ATOM	574	0	SER	Α	88	-9.021	9.477	32.035	1.00 28.78
MOTA	575	N	ASN	Α	89	-11.244	9.263	32.234	1.00 33.66
ATOM	576	CA	ASN	Α	89	-11.240	9.331	33.697	1.00 38.59
ATOM	577	СВ	ASN	Α	89	-12.675	9.420	34.228	1.00 40.00
ATOM	578	CG	ASN		89	-13.511	10.437	33.472	1.00 44.74
ATOM	579		ASN		89	-13.097	10.948	32.425	1.00 50.87
ATOM	580		ASN		89	-14.702	10.725	33.990	1.00 48.81
ATOM	581	C	ASN		89	-10.510	8.180	34.383	1.00 39.26
ATOM	582	0	ASN		89	-10.637	7.018	33.977	1.00 40.17
ATOM	583	N	VAL		90	-9.750	8.521	35.420	1.00 39.03
ATOM	584	CA	VAL		90	- 9.059	7.551	36.267	1.00 39.07
ATOM	585	CB	VAL		90	-7.579	7.933	36.450	1.00 39.43
		CG1			90	-6.890	7.053	37.502	1.00 39.43
ATOM	586		VAL		90	-6.848	7.840	35.114	1.00 39.89
ATOM	587	CG2	VAL						1.00 39.54
ATOM	588	C	VAL		90	-9.724	7.437	37.641	
ATOM	589	0	VAL		90	-10.029	8.446	38.277	1.00 39.69
ATOM	590	N	CYS		95	-10.123	15.551	38.257	1.00 32.20
ATOM	591	CA	CYS		95	-9.274	16.239	37.274	1.00 31.56
ATOM	592	CB	CYS		95	-8.436	17.341	37.923	1.00 32.45
ATOM	593	SG	CYS		95	-9.470	18.646	38.623	1.00 39.21
ATOM	594	С	CYS		95	-8.351	15.296	36.529	1.00 29.09
ATOM	595	0	CYS		95	-7.399	15.760	35.888	1.00 28.47
ATOM	596	N	SER		96	-8.624	13.992	36.611	1.00 25.31
ATOM	597	CA	SER		96	-7.816	13.009	35.891	1.00 26.34
ATOM	598	CB	SER		96	-8.104	11.576	36.380	1.00 26.13
ATOM	599	OG	SER		96	-9.450	11.210	36.131	1.00 28.38
ATOM	600	С	SER		96	-7.857	13.149	34.365	1.00 24.83
ATOM	601	0	SER	A	96	-6.970	12.661	33.640	1.00 25.70
ATOM	602	N	ASP	Α	97	-8.863	13.860	33.873	1.00 23.60
ATOM	603	CA	ASP	Α	97	-9.022	14.004	32.432	1.00 23.00
ATOM	604	CB	ASP	Α	97	-10.486	14.244	32.031	1.00 23.06
ATOM	605	CG	ASP	Α	97	-10.939	15.704	32.178	1.00 25.86
MOTA	606		ASP		97	-10.131	16.559	32.575	1.00 23.58
ATOM	607	OD2	ASP		97	-12.113	16.073	31.926	1.00 27.66
ATOM	608	С	ASP		97	-8.085	15.005	31.779	1.00 20.67
ATOM	609	0	ASP		97	-8.055	15.123	30.548	1.00 21.87
ATOM	610	N	TYR		98	-7.333	15.746	32.581	1.00 19.60
ATOM	611	CA	TYR		98	-6.691	16.926	32.030	1.00 18.52
ATOM	612	CB	TYR		98	-6.520	18.003	33.104	1.00 18.03
MOTA	613	CG	TYR		98	-5.822	19.205	32.517	1.00 19.58
ATOM	614	CD1	TYR	Α	98	-6.534	20.124	31.746	1.00 21.57
ATOM	615	CE1	TYR		98	-5.904	21.216	31.192	1.00 16.87
ATOM	616	CZ	TYR	Α	98	-4.536	21.375	31.389	1.00 16.22
ATOM	617	OH	TYR	Α	98	-3.906	22.447	30.797	1.00 18.85
MOTA	618	CE2	TYR	Α	98	-3.803	20.475	32.138	1.00 17.86
MOTA	619	CD2	TYR	Α	98	-4.445	19.385	32.694	1.00 19.81
MOTA	620	С	TYR		98	-5.338	16.650	31.410	1.00 16.72
ATOM	621	0	TYR		98	-4.485	16.025	32.040	1.00 19.70
ATOM	622	N	ILE		99	-5.137	17.179	30.199	1.00 15.99
MOTA	623	CA	ILE	Α	99	-3.773	17.307	29.653	1.00 15.12

ATOM	624	CB	ILE	Α	99	-3.485	16.142	28.679	1.00 16.27
ATOM	625	CG1	ILE	A	99	-2.013	16.171	28.227	1.00 13.41
ATOM	626	CD1	ILE	Α	99	-1.501	14.952	27.413	1.00 15.15
ATOM	627	CG2	ILE		99	-4.516	16.099	27.536	1.00 18.41
ATOM	628	C	ILE		99	-3.730	18.654	28.924	1.00 14.61
		0	ILE		99	-4.754	19.134	28.452	1.00 14.64
ATOM	629							28.845	1.00 13.96
ATOM	630	N	ASN			-2.549	19.246		
ATOM	631	CA	ASN			-2.381	20.522	28.162	1.00 15.20
ATOM	632	CB	ASN			-1.218	21.330	28.763	1.00 15.09
ATOM	633	CG	ASN			-1.167	22.726	28.214	1.00 15.71
ATOM	634	OD1				-1.374	22.917	27.020	1.00 16.88
ATOM	635	ND2	ASN	Α	100	-0.873	23.698	29.060	1.00 15.13
ATOM	636	С	ASN	Α	100	-2.184	20.228	26.679	1.00 14.05
ATOM	637	0	ASN	Α	100	-1.068	20.052	26.188	1.00 15.61
ATOM	638	N	ALA			-3.321	20.129	26.011	1.00 14.18
ATOM	639	CA	ALA			-3.342	19.806	24.587	1.00 14.86
ATOM	640	CB	ALA			-3.238	18.306	24.435	1.00 14.35
	641	СВ	ALA			-4.665	20.251	24.018	1.00 15.17
ATOM						-5.669	20.231	24.743	1.00 14.69
ATOM	642	0	ALA				20.523	22.708	1.00 14.05
ATOM	643	N	SER			-4.679			
ATOM	644	CA	SER			-5.810	21.159	22.047	1.00 15.05
ATOM	645	CB	SER			-5.471	22.629	21.759	1.00 15.31
ATOM	646	OG	SER			-5.151	23.291	22.969	1.00 15.76
ATOM	647	С	SER			-6.060	20.499	20.687	1.00 14.47
ATOM	648	0	SER			-5.122	20.253	19.962	1.00 16.41
ATOM	649	N	TYR			-7.315	20.273	20.310	1.00 14.11
ATOM	650	CA	TYR	Α	103	-7.625	19.700	18.994	1.00 16.15
ATOM	651	CB	TYR	Α	103	-9.064	19.128	18.983	1.00 15.58
ATOM	652	CG	TYR	Α	103	-9.226	17.837	19.738	1.00 17.69
ATOM	653	CD1	TYR	Α	103	-8.530	16.696	19.331	1.00 21.85
ATOM	654	CE1	TYR	Α	103	-8.681	15.485	20.004	1.00 18.09
ATOM	655	CZ	TYR			-9.560	15.417	21.070	1.00 23.34
ATOM	656	ОН	TYR			-9.763	14.235	21.749	1.00 25.07
ATOM	657	CE2	TYR			-10.281	16.527	21.482	1.00 22.71
ATOM	658	CD2	TYR			-10.123	17.724	20.808	1.00 19.56
ATOM	659	C	TYR			-7.606	20.816	17.968	1.00 17.25
ATOM	660	0	TYR			-8.067	21.930	18.244	1.00 18.82
	661	N	ILE			-7.125	20.470	16.779	1.00 16.96
ATOM			ILE			-7.123	21.292	15.577	1.00 17.89
ATOM	662	CA					21.550	15.040	1.00 17.03
ATOM	663	CB	ILE			-5.810			
ATOM	664	CG1	ILE			-4.887	21.993	16.154	1.00 19.03
ATOM	665	CD1	ILE			-5.247	23.333	16.819	1.00 21.70
MOTA	666	CG2				-5.845	22.465	13.784	1.00 22.08
ATOM	667	С	ILE			-8.013	20.483	14.547	1.00 20.87
ATOM	668	0	ILE			-7.582	19.407	14.121	1.00 20.90
ATOM	669	N	PRO			-9.188	20.966	14.154	1.00 21.39
ATOM	670	CA	PRO	A	105	-9.980	20.233	13.162	1.00 20.64
ATOM	671	CB	PRO	Α	105	-11.348	20.918	13.214	1.00 21.14
ATOM	672	CG	PRO	Α	105	-11.064	22.320	13.696	1.00 25.38
ATOM	673	CD	PRO	Α	105	-9.836	22.219	14.596	1.00 22.10
ATOM	674	С	PRO			-9.346	20.426	11.786	1.00 20.86
ATOM	675	0	PRO			-8.621	21.420	11.579	1.00 22.00

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ATOM	676	N	GLY A			-9.603	19.487	10.872		20.78
ATOM	677	CA	GLY A	106		-9.258	19.643	9.472		23.04
ATOM	678	С	GLY A		-	10.329	20.332	8.646		25.39
ATOM	679	0	GLY A	106	_	11.440	20.586	9.124		24.34
ATOM	680	N	ASN A	107	-	-10.001	20.603	7.386		27.36
ATOM	681	CA	ASN A	107	-	10.986	21.163	6.458		29.29
ATOM	682	CB	ASN A	107	-	10.336	21.579	5.142		31.82
ATOM	683	CG	ASN A	107		-9.436	22.795	5.291	1.00	34.51
ATOM	684		ASN A			-8.306	22.792	4.798	1.00	43.42
ATOM	685		ASN A			-9.917	23.824	5.984	1.00	40.29
ATOM	686	С	ASN A		_	-12.080	20.168	6.153	1.00	28.84
ATOM	687	0	ASN A			-13.182	20.560	5.772	1.00	29.29
ATOM	688	N	ASN A		_	-11.776	18.881	6.300	1.00	27.42
ATOM	689	CA	ASN A			-12.716	17.847	5.886	1.00	28.42
ATOM	690	CB	ASN A			-12.020	16.861	4.947	1.00	29.82
	691	CG	ASN A			-11.769	17.438	3.570		33.34
ATOM	692	OD1	ASN A			-10.623	17.630	3.158		39.32
ATOM	693		ASN A			-12.846	17.710	2.843		37.81
ATOM		NDZ C	ASN A			-13.325	17.065	7.052		27.69
ATOM	694		ASN A			-13.323	16.440	6.895		28.98
ATOM	695	0				-14.571	17.078	8.206		24.03
ATOM	696	N	PHE A			-12.003	16.259	9.339		21.78
ATOM	697	CA	PHE A					9.081		20.51
ATOM	698	CB	PHE A			-12.718	14.795	9.830		21.38
ATOM	699	CG	PHE A			-13.564	13.780			21.50
MOTA	700	CD1	PHE A			-13.061	13.110	10.936		24.12
ATOM	701	CE1	PHE A			-13.823	12.180	11.626		25.45
ATOM	702	CZ	PHE A			-15.129	11.909	11.208		
ATOM	703	CE2				-15.641	12.561	10.113		21.35
ATOM	704		PHE A			-14.866	13.493	9.421		18.54
MOTA	705	С	PHE A			-12.452	16.764	10.612		22.13
MOTA	706	0	PHE A			-11.412	17.437	10.545		21.08
MOTA	707	N	ARG A			-13.013	16.358	11.752		19.50
MOTA	708	CA	ARG A			-12.523	16.785	13.054		21.56
MOTA	709	CB	ARG A			-13.472	16.347	14.168		22.46
MOTA	710	CG	ARG A	110		-13.476	14.851	14.413		24.80
MOTA	711	CD	ARG A			-14.802	14.225	14.822		32.72
ATOM	712	NE	ARG A	110		-15.236	14.643	16.150		39.42
MOTA	713	CZ	ARG A	110		-15.044	13.914	17.243		43.17
MOTA	714	NH1	ARG A	110	-	-14.400	12.750	17.162		42.56
ATOM	715	NH2	ARG A	110	-	-15.474	14.358	18.418		43.79
ATOM	716	С	ARG A	110	-	-11.118	16.239	13.310		20.39
ATOM	717	0	ARG A	110	-	-10.729	15.220	12.746		21.44
MOTA	718	N	ARG A	111		-10.436	16.843	14.273		20.63
ATOM	719	CA	ARG A	111		-9.259	16.240	14.885		21.26
ATOM	720	СВ	ARG A	111		-9.651	15.008	15.728	1.00	20.41
ATOM	721	CG	ARG A	111		-10.650	15.324	16.827	1.00	21.47
ATOM	722	CD	ARG A			-10.936	14.151	17.754	1.00	21.72
ATOM	723	NE	ARG A			-11.920	14.585	18.729	1.00	22.21
ATOM	724	CZ	ARG A			-12.269	13.928	19.825	1.00	27.64
ATOM	725		ARG A			-11.713	12.759	20.119		30.92
ATOM	726		ARG A			-13.175	14.456	20.633	1.00	26.56
ATOM	727	C	ARG A			-8.161	15.872	13.914		20.16
ATON	121	•	ANG A			0.202				

ATOM 728 O ARG A 111 -7.612 14.761 13.972 1.00 21.27 ATOM 730 CA GLU A 112 -7.777 16.801 13.043 1.00 18.71 ATOM 731 CB GLU A 112 -6.651 16.499 12.179 1.00 17.48 ATOM 732 CG GLU A 112 -6.652 17.426 10.954 1.00 18.75 ATOM 733 CD GLU A 112 -5.441 17.169 10.049 1.00 16.97 ATOM 734 OEI GLU A 112 -5.441 17.169 10.049 1.00 16.97 ATOM 735 OE2 GLU A 112 -5.919 19.209 8.860 1.00 27.96 ATOM 736 C GLU A 112 -5.919 19.209 8.860 1.00 25.41 ATOM 737 O GLU A 112 -5.919 19.209 8.860 1.00 25.41 ATOM 737 O GLU A 112 -4.421 15.771 12.615 1.00 17.02 ATOM 738 N TYR A 113 -5.168 17.526 13.834 1.00 16.93 ATOM 739 CA TYR A 113 -3.168 18.898 14.387 1.00 16.83 ATOM 740 CB TYR A 113 -3.168 18.898 14.387 1.00 15.83 ATOM 741 CC TYR A 113 -3.168 18.898 14.387 1.00 15.83 ATOM 742 CDI TYR A 113 -3.209 20.157 10.850 1.00 22.98 ATOM 743 CEL TYR A 113 -3.209 20.157 10.850 1.00 22.98 ATOM 745 OH TYR A 113 -2.089 19.709 10.356 1.00 22.98 ATOM 746 CEZ TYR A 113 -1.233 18.945 11.118 1.00 22.82 ATOM 747 CDZ TYR A 113 -1.231 18.945 11.118 1.00 22.82 ATOM 748 C TYR A 113 -1.233 18.945 11.118 1.00 22.82 ATOM 740 CDZ TYR A 113 -1.233 18.945 11.118 1.00 22.82 ATOM 740 CDZ TYR A 113 -1.233 18.945 11.118 1.00 22.82 ATOM 750 N ILE A 114 -3.500 17.610 18.439 1.00 16.45 ATOM 750 N ILE A 114 -3.439 17.521 17.029 1.00 13.11 ATOM 750 CA ILE A 114 -3.500 17.610 18.439 1.00 13.46 ATOM 750 CA ILE A 114 -3.500 17.610 18.439 1.00 13.46 ATOM 755 CC ILE A 114 -3.233 16.721 20.803 1.00 16.57 ATOM 756 C ILE A 114 -4.859 15.643 19.231 1.00 15.76 ATOM 757 O ILE A 114 -4.96 19.939 19.277 1.00 15.98 ATOM 758 N VAL A 115 -1.299 19.935 1.00 13.46 ATOM 750 CA TRA A 115 -1.262 20.440 19.331 1.00 13.76 ATOM 756 C THE A 114 -4.859 15.643 19.231 1.00 13.76 ATOM 757 O LE A 114 -1.146 17.951 18.484 1.00 15.78 ATOM 757 O LE A 114 -1.146 17.951 18.491 1.00 15.78 ATOM 758 N VAL A 115 -1.262 20.440 19.931 1.00 15.76 ATOM 757 O LE A 114 -1.16 -1.262 20.440 19.939 10.00 15.98 ATOM 757 O C THR A 116 0.267 18.421 19.99 19.277 1.00 15.98 ATOM 776 C C THR A 116 0.267 18.421 19.99 19.271 1.00 15.	7.77014	700	^	7DC 7	111		7.612	14.761	13.972	1.00	21.20
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ATOM 744 CZ TYR A 113											
ATOM 745 OH TYR A 113											
ATOM 746 CE2 TYR A 113											
ATOM 747 CD2 TYR A 113											
ATOM 748 C TYR A 113										1.00	24.11
ATOM 749 O TYR A 113										1.00	14.55
ATOM 750 N ILE A 114 -3.439 17.251 17.029 1.00 13.11 ATOM 751 CA ILE A 114 -3.500 17.610 18.439 1.00 13.46 ATOM 752 CB ILE A 114 -3.501 16.340 19.331 1.00 15.50 ATOM 753 CG1 ILE A 114 -4.859 15.643 19.231 1.00 15.50 ATOM 754 CD1 ILE A 114 -4.796 14.175 19.736 1.00 17.84 ATOM 755 CG2 ILE A 114 -3.233 16.721 20.803 1.00 15.76 ATOM 756 C ILE A 114 -2.239 18.421 18.708 1.00 15.76 ATOM 757 O ILE A 114 -1.146 17.951 18.448 1.00 16.55 ATOM 758 N VAL A 115 -2.407 19.636 19.215 1.00 15.68 ATOM 759 CA VAL A 115 -1.262 20.440 19.619 1.00 14.96 ATOM 760 CB VAL A 115 -1.499 21.899 19.277 1.00 15.98 ATOM 761 CG1 VAL A 115 -0.446 22.789 19.895 1.00 18.83 ATOM 762 CG2 VAL A 115 -1.501 22.011 17.767 1.00 19.14 ATOM 763 C VAL A 115 -1.078 20.282 21.114 1.00 15.79 ATOM 766 CA THR A 116 0.399 19.938 22.966 1.00 15.38 ATOM 767 CB THR A 116 0.399 19.938 22.966 1.00 15.38 ATOM 768 OG1 THR A 116 0.267 18.421 23.362 1.00 15.94 ATOM 769 CG2 THR A 116 0.267 18.421 23.362 1.00 15.94 ATOM 769 CG2 THR A 116 0.267 18.421 23.362 1.00 15.94 ATOM 770 C THR A 116 0.267 18.421 23.362 1.00 15.94 ATOM 771 O THR A 116 1.737 20.589 23.403 1.00 14.47 ATOM 772 N GLN A 117 1.924 20.762 24.706 1.00 16.11 ATOM 773 CA GLN A 117 2.563 20.939 22.583 1.00 17.79 ATOM 774 CB GLN A 117 2.975 21.710 26.716 1.00 14.51 ATOM 775 CG GLN A 117 2.975 21.710 26.716 1.00 14.51 ATOM 775 CG GLN A 117 2.975 21.710 26.716 1.00 14.51 ATOM 775 CG GLN A 117 2.975 21.710 26.716 1.00 14.51 ATOM 775 CG GLN A 117 2.975 21.710 26.716 1.00 14.51 ATOM 775 CG GLN A 117 2.975 21.710 26.716 1.00 14.51 ATOM 775 CG GLN A 117 2.975 21.710 26.716 1.00 14.51 ATOM 775 CG GLN A 117 2.975 21.710 26.716 1.00 14.51 ATOM 775 CG GLN A 117 2.975 21.710 26.716 1.00 15.78										1.00	16.23
ATOM 751 CA ILE A 114										1.00	13.11
ATOM 752 CB ILE A 114 -3.501 16.340 19.331 1.00 13.02 ATOM 753 CG1 ILE A 114 -4.859 15.643 19.231 1.00 15.50 ATOM 754 CD1 ILE A 114 -4.796 14.175 19.736 1.00 17.84 ATOM 755 CG2 ILE A 114 -3.233 16.721 20.803 1.00 15.76 ATOM 756 C ILE A 114 -2.239 18.421 18.708 1.00 15.12 ATOM 757 O ILE A 114 -1.146 17.951 18.448 1.00 16.55 ATOM 758 N VAL A 115 -2.407 19.636 19.215 1.00 15.68 ATOM 759 CA VAL A 115 -1.262 20.440 19.619 1.00 14.96 ATOM 760 CB VAL A 115 -1.499 21.899 19.277 1.00 15.98 ATOM 761 CG1 VAL A 115 -0.446 22.789 19.895 1.00 18.83 ATOM 762 CG2 VAL A 115 -1.501 22.011 17.767 1.00 19.14 ATOM 763 C VAL A 115 -1.078 20.282 21.114 1.00 15.79 ATOM 764 O VAL A 115 -2.039 20.346 21.880 1.00 15.38 ATOM 765 N THR A 116 0.163 20.062 21.541 1.00 14.14 ATOM 766 CA THR A 116 0.267 18.421 23.362 1.00 15.23 ATOM 768 OG1 THR A 116 0.267 18.421 23.362 1.00 15.23 ATOM 769 CG2 THR A 116 1.737 20.589 23.403 1.00 14.47 ATOM 770 C THR A 116 1.737 20.589 23.403 1.00 14.47 ATOM 771 O THR A 116 2.563 20.939 22.583 1.00 17.79 ATOM 772 N GLN A 117 1.924 20.762 24.706 1.00 16.11 ATOM 773 CA GLN A 117 2.975 21.710 26.716 1.00 14.51 ATOM 775 CG GLN A 117 2.975 21.710 26.716 1.00 15.32 ATOM 775 CG GLN A 117 2.327 21.017 29.072 1.00 16.29 ATOM 775 CG GLN A 117 2.327 20.569 27.659 1.00 15.32 ATOM 775 CG GLN A 117 2.327 21.017 29.072 1.00 16.29 ATOM 775 CG GLN A 117 2.327 21.017 29.072 1.00 15.78 ATOM 775 CG GLN A 117 2.327 21.017 29.072 1.00 15.32 ATOM 776 CD GLN A 117 2.327 20.569 27.659 1.00 15.32 ATOM 775 CG GLN A 117 2.327 21.017 29.072 1.00 16.29 ATOM 775 CG GLN A 117 2.327 21.017 29.072 1.00 15.78									18.439	1.00	13.46
ATOM 753 CG1 ILE A 114									19.331	1.00	13.02
ATOM 754 CD1 ILE A 114								15.643	19.231		
ATOM 755 CG2 ILE A 114 -3.233 16.721 20.803 1.00 15.76 ATOM 756 C ILE A 114 -2.239 18.421 18.708 1.00 15.12 ATOM 757 O ILE A 114 -1.146 17.951 18.448 1.00 16.55 ATOM 758 N VAL A 115 -2.407 19.636 19.215 1.00 15.68 ATOM 759 CA VAL A 115 -1.262 20.440 19.619 1.00 14.96 ATOM 760 CB VAL A 115 -1.499 21.899 19.277 1.00 15.98 ATOM 761 CG1 VAL A 115 -0.446 22.789 19.895 1.00 18.83 ATOM 762 CG2 VAL A 115 -1.501 22.011 17.767 1.00 19.14 ATOM 763 C VAL A 115 -1.501 22.011 17.767 1.00 19.14 ATOM 764 O VAL A 115 -2.039 20.346 21.880 1.00 15.38 ATOM 765 N THR A 116 0.163 20.062 21.541 1.00 14.14 ATOM 766 CA THR A 116 0.399 19.938 22.966 1.00 15.23 ATOM 767 CB THR A 116 0.267 18.421 23.362 1.00 15.94 ATOM 768 OG1 THR A 116 0.282 18.318 24.792 1.00 16.48 ATOM 769 CG2 THR A 116 1.492 17.619 22.906 1.00 20.42 ATOM 770 C THR A 116 1.492 17.619 22.906 1.00 20.42 ATOM 771 O THR A 116 2.563 20.939 23.3403 1.00 14.47 ATOM 773 CA GLN A 117 3.181 21.248 25.251 1.00 16.11 ATOM 773 CA GLN A 117 2.975 21.710 26.716 1.00 14.51 ATOM 775 CG GLN A 117 2.975 21.710 26.716 1.00 14.51 ATOM 776 CD GLN A 117 2.327 21.017 29.072 1.00 16.29 ATOM 777 OE1 GLN A 117 2.327 21.017 29.072 1.00 16.29 ATOM 777 OE1 GLN A 117 2.327 21.017 29.072 1.00 15.78 ATOM 778 NE2 GLN A 117 2.265 20.073 29.987 1.00 15.78								14.175	19.736	1.00	17.84
ATOM 756 C ILE A 114 -2.239 18.421 18.708 1.00 15.12 ATOM 757 O ILE A 114 -1.146 17.951 18.448 1.00 16.55 ATOM 758 N VAL A 115 -2.407 19.636 19.215 1.00 15.68 ATOM 759 CA VAL A 115 -1.262 20.440 19.619 1.00 14.96 ATOM 760 CB VAL A 115 -1.499 21.899 19.277 1.00 15.98 ATOM 761 CG1 VAL A 115 -0.446 22.789 19.895 1.00 18.83 ATOM 762 CG2 VAL A 115 -1.501 22.011 17.767 1.00 19.14 ATOM 763 C VAL A 115 -1.078 20.282 21.114 1.00 15.79 ATOM 764 O VAL A 115 -2.039 20.346 21.880 1.00 15.38 ATOM 765 N THR A 116 0.163 20.062 21.541 1.00 14.14 ATOM 766 CA THR A 116 0.399 19.938 22.966 1.00 15.23 ATOM 768 OG1 THR A 116 0.267 18.421 23.362 1.00 15.94 ATOM 769 CG2 THR A 116 0.282 18.318 24.792 1.00 16.48 ATOM 769 CG2 THR A 116 1.492 17.619 22.906 1.00 20.42 ATOM 770 C THR A 116 1.737 20.589 23.403 1.00 14.47 ATOM 771 O THR A 116 2.563 20.939 22.583 1.00 17.79 ATOM 772 N GLN A 117 1.924 20.762 24.706 1.00 16.11 ATOM 773 CA GLN A 117 2.975 21.710 26.716 1.00 14.51 ATOM 775 CG GLN A 117 2.975 21.710 26.716 1.00 14.51 ATOM 775 CG GLN A 117 2.975 21.710 26.716 1.00 15.32 ATOM 776 CD GLN A 117 2.327 21.017 29.072 1.00 16.29 ATOM 777 OE1 GLN A 117 2.327 21.017 29.072 1.00 15.38 ATOM 776 CD GLN A 117 2.327 21.017 29.072 1.00 16.29 ATOM 777 OE1 GLN A 117 2.327 21.017 29.072 1.00 15.38 ATOM 778 NE2 GLN A 117 2.265 20.073 29.987 1.00 15.78								16.721	20.803		15.76
ATOM 757 O ILE A 114 -1.146 17.951 18.448 1.00 16.55 ATOM 758 N VAL A 115 -2.407 19.636 19.215 1.00 15.68 ATOM 759 CA VAL A 115 -1.262 20.440 19.619 1.00 14.96 ATOM 760 CB VAL A 115 -1.499 21.899 19.277 1.00 15.98 ATOM 761 CG1 VAL A 115 -0.446 22.789 19.895 1.00 18.83 ATOM 762 CG2 VAL A 115 -1.501 22.011 17.767 1.00 19.14 ATOM 763 C VAL A 115 -1.078 20.282 21.114 1.00 15.79 ATOM 764 O VAL A 115 -2.039 20.346 21.880 1.00 15.38 ATOM 765 N THR A 116 0.163 20.062 21.541 1.00 14.14 ATOM 766 CA THR A 116 0.399 19.938 22.966 1.00 15.23 ATOM 767 CB THR A 116 0.267 18.421 23.362 1.00 15.94 ATOM 768 OG1 THR A 116 0.282 18.318 24.792 1.00 16.48 ATOM 769 CG2 THR A 116 1.492 17.619 22.906 1.00 20.42 ATOM 770 C THR A 116 1.737 20.589 23.403 1.00 14.47 ATOM 771 O THR A 116 2.563 20.939 22.583 1.00 17.79 ATOM 772 N GLN A 117 1.924 20.762 24.706 1.00 16.11 ATOM 773 CA GLN A 117 2.975 21.710 26.716 1.00 14.51 ATOM 775 CG GLN A 117 2.975 21.710 26.716 1.00 14.51 ATOM 775 CG GLN A 117 2.975 21.710 26.716 1.00 15.32 ATOM 776 CD GLN A 117 2.975 21.710 29.072 1.00 16.29 ATOM 777 OE1 GLN A 117 2.327 21.017 29.072 1.00 16.29 ATOM 777 OE1 GLN A 117 2.327 21.017 29.072 1.00 16.29 ATOM 777 OE1 GLN A 117 2.327 21.017 29.072 1.00 16.29 ATOM 778 NE2 GLN A 117 2.265 20.073 29.987 1.00 15.78								18.421	18.708		
ATOM 758 N VAL A 115				ILE A	114	-	1.146	17.951	18.448		
ATOM 759 CA VAL A 115 -1.262 20.440 19.619 1.00 14.96 ATOM 760 CB VAL A 115 -1.499 21.899 19.277 1.00 15.98 ATOM 761 CG1 VAL A 115 -0.446 22.789 19.895 1.00 18.83 ATOM 762 CG2 VAL A 115 -1.501 22.011 17.767 1.00 19.14 ATOM 763 C VAL A 115 -1.078 20.282 21.114 1.00 15.79 ATOM 764 O VAL A 115 -2.039 20.346 21.880 1.00 15.38 ATOM 765 N THR A 116 0.163 20.062 21.541 1.00 14.14 ATOM 766 CA THR A 116 0.399 19.938 22.966 1.00 15.23 ATOM 767 CB THR A 116 0.267 18.421 23.362 1.00 15.94 ATOM 768 OG1 THR A 116 0.282 18.318 24.792 1.00 16.48 ATOM 769 CG2 THR A 116 1.492 17.619 22.906 1.00 20.42 ATOM 770 C THR A 116 1.737 20.589 23.403 1.00 14.47 ATOM 771 O THR A 116 2.563 20.939 22.583 1.00 17.79 ATOM 772 N GLN A 117 1.924 20.762 24.706 1.00 16.11 ATOM 773 CA GLN A 117 3.181 21.248 25.251 1.00 15.39 ATOM 774 CB GLN A 117 2.975 21.710 26.716 1.00 14.51 ATOM 775 CG GLN A 117 2.975 21.710 26.716 1.00 14.51 ATOM 776 CD GLN A 117 2.327 21.017 29.072 1.00 16.29 ATOM 777 OE1 GLN A 117 2.327 21.017 29.072 1.00 16.29 ATOM 777 OE1 GLN A 117 2.162 22.202 29.329 1.00 17.89 ATOM 778 NE2 GLN A 117 2.265 20.073 29.987 1.00 15.78			N			_	2.407	19.636	19.215		
ATOM 760 CB VAL A 115 -1.499 21.899 19.277 1.00 15.98 ATOM 761 CG1 VAL A 115 -0.446 22.789 19.895 1.00 18.83 ATOM 762 CG2 VAL A 115 -1.501 22.011 17.767 1.00 19.14 ATOM 763 C VAL A 115 -1.078 20.282 21.114 1.00 15.79 ATOM 764 O VAL A 115 -2.039 20.346 21.880 1.00 15.38 ATOM 765 N THR A 116 0.163 20.062 21.541 1.00 14.14 ATOM 766 CA THR A 116 0.399 19.938 22.966 1.00 15.23 ATOM 767 CB THR A 116 0.267 18.421 23.362 1.00 15.94 ATOM 768 OG1 THR A 116 0.282 18.318 24.792 1.00 16.48 ATOM 769 CG2 THR A 116 1.492 17.619 22.906 1.00 20.42 ATOM 770 C THR A 116 1.737 20.589 23.403 1.00 14.47 ATOM 771 O THR A 116 2.563 20.939 22.583 1.00 17.79 ATOM 772 N GLN A 117 1.924 20.762 24.706 1.00 16.11 ATOM 773 CA GLN A 117 2.975 21.710 26.716 1.00 14.51 ATOM 775 CG GLN A 117 2.975 21.710 26.716 1.00 15.32 ATOM 776 CD GLN A 117 2.597 20.569 27.659 1.00 15.32 ATOM 776 CD GLN A 117 2.327 21.017 29.072 1.00 16.29 ATOM 777 OE1 GLN A 117 2.162 22.202 29.329 1.00 17.89 ATOM 778 NE2 GLN A 117 2.265 20.073 29.987 1.00 15.78			CA	VAL A	115	-	1.262	20.440			
ATOM 762 CG2 VAL A 115		760	CB	VAL A	115	-	1.499	21.899			
ATOM 763 C VAL A 115 -1.078 20.282 21.114 1.00 15.79 ATOM 764 O VAL A 115 -2.039 20.346 21.880 1.00 15.38 ATOM 765 N THR A 116 0.163 20.062 21.541 1.00 14.14 ATOM 766 CA THR A 116 0.399 19.938 22.966 1.00 15.23 ATOM 767 CB THR A 116 0.267 18.421 23.362 1.00 15.94 ATOM 768 OG1 THR A 116 0.282 18.318 24.792 1.00 16.48 ATOM 769 CG2 THR A 116 1.492 17.619 22.906 1.00 20.42 ATOM 770 C THR A 116 1.737 20.589 23.403 1.00 14.47 ATOM 771 O THR A 116 2.563 20.939 22.583 1.00 17.79 ATOM 772 N GLN A 117 1.924 20.762 24.706 1.00 16.11 ATOM 773 CA GLN A 117 3.181 21.248 25.251 1.00 15.39 ATOM 774 CB GLN A 117 2.975 21.710 26.716 1.00 14.51 ATOM 775 CG GLN A 117 2.597 20.569 27.659 1.00 15.32 ATOM 776 CD GLN A 117 2.327 21.017 29.072 1.00 16.29 ATOM 777 OE1 GLN A 117 2.162 22.202 29.329 1.00 17.89 ATOM 778 NE2 GLN A 117 2.265 20.073 29.987 1.00 15.78	ATOM	761	CG1	VAL A	115	-	0.446				
ATOM 764 O VAL A 115 -2.039 20.346 21.880 1.00 15.38 ATOM 765 N THR A 116 0.163 20.062 21.541 1.00 14.14 ATOM 766 CA THR A 116 0.399 19.938 22.966 1.00 15.23 ATOM 767 CB THR A 116 0.267 18.421 23.362 1.00 15.94 ATOM 768 OG1 THR A 116 0.282 18.318 24.792 1.00 16.48 ATOM 769 CG2 THR A 116 1.492 17.619 22.906 1.00 20.42 ATOM 770 C THR A 116 1.737 20.589 23.403 1.00 14.47 ATOM 771 O THR A 116 2.563 20.939 22.583 1.00 17.79 ATOM 772 N GLN A 117 1.924 20.762 24.706 1.00 16.11 ATOM 773 CA GLN A 117 3.181 21.248 25.251 1.00 15.39 ATOM 774 CB GLN A 117 2.975 21.710 26.716 1.00 14.51 ATOM 775 CG GLN A 117 2.975 21.710 26.716 1.00 14.51 ATOM 776 CD GLN A 117 2.327 21.017 29.072 1.00 16.29 ATOM 777 OE1 GLN A 117 2.327 21.017 29.072 1.00 16.29 ATOM 778 NE2 GLN A 117 2.265 20.073 29.987 1.00 15.78	MOTA	762	CG2	VAL A	115	_	1.501				
ATOM 765 N THR A 116 0.163 20.062 21.541 1.00 14.14 ATOM 766 CA THR A 116 0.399 19.938 22.966 1.00 15.23 ATOM 767 CB THR A 116 0.267 18.421 23.362 1.00 15.94 ATOM 768 OG1 THR A 116 0.282 18.318 24.792 1.00 16.48 ATOM 769 CG2 THR A 116 1.492 17.619 22.906 1.00 20.42 ATOM 770 C THR A 116 1.737 20.589 23.403 1.00 14.47 ATOM 771 O THR A 116 2.563 20.939 22.583 1.00 17.79 ATOM 772 N GLN A 117 1.924 20.762 24.706 1.00 16.11 ATOM 773 CA GLN A 117 3.181 21.248 25.251 1.00 15.39 ATOM 774 CB GLN A 117 2.975 21.710 26.716 1.00 14.51 ATOM 775 CG GLN A 117 2.975 21.710 26.716 1.00 14.51 ATOM 776 CD GLN A 117 2.327 21.017 29.072 1.00 16.29 ATOM 777 OE1 GLN A 117 2.162 22.202 29.329 1.00 17.89 ATOM 778 NE2 GLN A 117 2.265 20.073 29.987 1.00 15.78	ATOM	763	С	VAL A	115						
ATOM 766 CA THR A 116 0.399 19.938 22.966 1.00 15.23 ATOM 767 CB THR A 116 0.267 18.421 23.362 1.00 15.94 ATOM 768 OG1 THR A 116 0.282 18.318 24.792 1.00 16.48 ATOM 769 CG2 THR A 116 1.492 17.619 22.906 1.00 20.42 ATOM 770 C THR A 116 1.737 20.589 23.403 1.00 14.47 ATOM 771 O THR A 116 2.563 20.939 22.583 1.00 17.79 ATOM 772 N GLN A 117 1.924 20.762 24.706 1.00 16.11 ATOM 773 CA GLN A 117 3.181 21.248 25.251 1.00 15.39 ATOM 774 CB GLN A 117 2.975 21.710 26.716 1.00 14.51 ATOM 775 CG GLN A 117 2.597 20.569 27.659 1.00 15.32 ATOM 776 CD GLN A 117 2.327 21.017 29.072 1.00 16.29 ATOM 778 NE2 GLN A 117 2.265 20.073 29.987 1.00 15.78	ATOM	764	0								
ATOM 767 CB THR A 116 0.267 18.421 23.362 1.00 15.94 ATOM 768 OG1 THR A 116 0.282 18.318 24.792 1.00 16.48 ATOM 769 CG2 THR A 116 1.492 17.619 22.906 1.00 20.42 ATOM 770 C THR A 116 1.737 20.589 23.403 1.00 14.47 ATOM 771 O THR A 116 2.563 20.939 22.583 1.00 17.79 ATOM 772 N GLN A 117 1.924 20.762 24.706 1.00 16.11 ATOM 773 CA GLN A 117 3.181 21.248 25.251 1.00 15.39 ATOM 774 CB GLN A 117 2.975 21.710 26.716 1.00 14.51 ATOM 775 CG GLN A 117 2.597 20.569 27.659 1.00 15.32 ATOM 776 CD GLN A 117 2.327 21.017 29.072 1.00 16.29 ATOM 777 OE1 GLN A 117 2.162 22.202 29.329 1.00 17.89 ATOM 778 NE2 GLN A 117 2.265 20.073 29.987 1.00 15.78	MOTA										
ATOM 768 OG1 THR A 116	MOTA	766	CA								
ATOM 769 CG2 THR A 116 1.492 17.619 22.906 1.00 20.42 ATOM 770 C THR A 116 1.737 20.589 23.403 1.00 14.47 ATOM 771 O THR A 116 2.563 20.939 22.583 1.00 17.79 ATOM 772 N GLN A 117 1.924 20.762 24.706 1.00 16.11 ATOM 773 CA GLN A 117 3.181 21.248 25.251 1.00 15.39 ATOM 774 CB GLN A 117 2.975 21.710 26.716 1.00 14.51 ATOM 775 CG GLN A 117 2.597 20.569 27.659 1.00 15.32 ATOM 776 CD GLN A 117 2.327 21.017 29.072 1.00 16.29 ATOM 777 OE1 GLN A 117 2.162 22.202 29.329 1.00 17.89 ATOM 778 NE2 GLN A 117 2.265 20.073 29.987 1.00 15.78	MOTA		CB								
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ATOM 773 CA GLN A 117 3.181 21.248 25.251 1.00 15.39 ATOM 774 CB GLN A 117 2.975 21.710 26.716 1.00 14.51 ATOM 775 CG GLN A 117 2.597 20.569 27.659 1.00 15.32 ATOM 776 CD GLN A 117 2.327 21.017 29.072 1.00 16.29 ATOM 777 OE1 GLN A 117 2.162 22.202 29.329 1.00 17.89 ATOM 778 NE2 GLN A 117 2.265 20.073 29.987 1.00 15.78	ATOM										
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ATOM 777 OE1 GLN A 117 2.162 22.202 29.329 1.00 17.89 ATOM 778 NE2 GLN A 117 2.265 20.073 29.987 1.00 15.78											
ATOM 778 NE2 GLN A 117 2.265 20.073 29.987 1.00 15.78											
ATOM 770 NEZ GEN II 117											
ATOM //9 C GLN A 11/ 4.208 20.143 23.228 1.00 10.10											
	MOTA	119	C	GLN A	. 11/		4.200	20.143	23.220	1.00	10.10

ATOM	780	0	GLN A	117	3.895	18.970	25.110	1.00 16.55
ATOM	781	N	GLY A	118	5.469	20.517	25.375	1.00 16.92
ATOM	782	CA	GLY A	118	6.470	19.495	25.606	1.00 16.65
ATOM	783	С	GLY A	118	6.186	18.761	26.901	1.00 15.21
ATOM	784	0	GLY A	118	6.087	19.352	27.989	1.00 16.22
ATOM	785	N	PRO A		6.035	17.445	26.822	1.00 15.88
ATOM	786	CA	PRO A		5.791	16.689	28.055	1.00 15.90
ATOM	787	СВ	PRO A		5.878	15.243	27.582	1.00 17.35
ATOM	788	CG	PRO A		5.520	15.281	26.147	1.00 16.27
ATOM	789	CD	PRO A		6.092	16.575	25.628	1.00 16.39
	790	C	PRO A		6.768	16.949	29.213	1.00 17.04
ATOM	791	0	PRO A		7.972	17.127	28.997	1.00 17.25
ATOM		N	LEU A		6.230	16.986	30.427	1.00 20.34
ATOM	792		LEU A		7.006	17.119	31.660	1.00 20.38
ATOM	793	CA.			6.171	17.875	32.683	1.00 20.80
ATOM	794	CB	LEU A			19.355	32.400	1.00 20.40
ATOM	795	CG	LEU A		5.899		33.207	1.00 20.40
ATOM	796	CD1			4.670	19.772		1.00 20.05
ATOM	797	CD2	LEU A		7.087	20.257	32.655	1.00 22.40
ATOM	798	С	LEU A		7.324	15.718	32.190	
ATOM	799	0	LEU A		6.642	14.762	31.824	1.00 19.88
ATOM	800	N	PRO A		8.343	15.566	33.032	1.00 22.56
MOTA	801	CA	PRO A		8.590	14.265	33.676	1.00 22.53
ATOM	802	CB	PRO A		9.586	14.599	34.790	1.00 22.51
MOTA	803	CG	PRO A		10.302	15.799	34.270	1.00 24.46
ATOM	804	CD	PRO A	121	9.302	16.594	33.481	1.00 23.40
ATOM	805	С	PRO A	121	7.295	13.766	34.308	1.00 20.90
ATOM	806	0	PRO A	121	7.019	12.575	34.178	1.00 22.13
ATOM	807	N	GLY A	122	6.529	14.643	34.946	1.00 18.52
ATOM	808	CA	GLY A	122	5.267	14.247	35.555	1.00 19.71
ATOM	809	С	GLY A	122	4.050	14.113	34.658	1.00 19.48
ATOM	810	0	GLY A	122	3.008	13.713	35.158	1.00 20.10
ATOM	811	N	THR A	123	4.152	14.463	33.376	1.00 19.70
ATOM	812	CA	THR A		3.013	14.300	32.467	1.00 20.05
ATOM	813	СВ	THR A		2.470	15.643	31.910	1.00 19.02
ATOM	814	OG1	THR A		3.417	16.229	31.006	1.00 17.75
ATOM	815	CG2	THR A		2.286	16.724	33.011	1.00 21.52
ATOM	816	C	THR A		3.305	13.389	31.279	1.00 18.26
ATOM	817	Ö	THR A		2.428	13.238	30.410	1.00 19.28
ATOM	818	N	LYS A		4.498	12.810	31.219	1.00 18.95
ATOM	819	CA	LYS A		4.788	11.956	30.057	1.00 18.96
	820	CB	LYS A		6.283	11.641	29.950	1.00 20.13
ATOM	821	CG	LYS A		6.834	10.806	31.086	1.00 23.04
ATOM			LYS A		8.336	10.603	30.898	1.00 29.73
ATOM	822	CD	LYS A		8.775	9.445	31.787	1.00 36.02
ATOM	823	CE				9.706	32.286	1.00 43.04
ATOM	824	NZ	LYS A		10.152	10.734	29.956	1.00 19.08
ATOM	825	С	LYS A		3.876		28.855	1.00 13.00
MOTA	826	0	LYS A		3.538	10.312	31.086	1.00 17.17
MOTA	827	N	ASP A		3.454	10.156		1.00 18.94
MOTA	828	CA	ASP A		2.497	9.066	31.016	
MOTA	829	CB	ASP A		2.272	8.426	32.390	1.00 20.53
MOTA	830	CG	ASP A		3.531	7.858	32.991	1.00 22.30
ATOM	831	OD1	ASP P	125	4.545	7.684	32.280	1.00 23.89

ATOM	832	OD2	ASP	Α	125	3.577	7.580	34.216	1.00 25.30
ATOM	833	С	ASP	Α	125	1.160	9.570	30.460	1.00 18.40
ATOM	834	0	ASP	Α	125	0.519	8.877	29.670	1.00 19.13
MOTA	835	N	ASP	Α	126	0.760	10.773	30.871	1.00 17.97
ATOM	836	CA			126	-0.453	11.402	30.351	1.00 17.81
ATOM	837	CB			126	-0.632	12.804	30.951	1.00 18.50
ATOM	838	CG			126	-0.832	12.813	32.447	1.00 24.65
ATOM	839		ASP			-1.196	11.774	33.046	1.00 22.46
	840		ASP			-0.670	13.887	33.085	1.00 24.22
ATOM		C			126	-0.314	11.606	28.837	1.00 24.22
ATOM	841							28.082	1.00 16.48
ATOM	842	0			126	-1.256	11.407		
ATOM	843	N			127	0.868	12.008	28.380	
ATOM	844	CA			127	1.068	12.282	26.958	1.00 16.02
ATOM	845	CB			127	2.459	12.901	26.744	1.00 15.67
ATOM	846	CG			127	2.886	12.934	25.300	1.00 15.63
ATOM	847	CD1				2.614	14.040	24.513	1.00 15.34
ATOM	848	CE1	PHE			3.015	14.065	23.170	1.00 18.23
ATOM	849	CZ	PHE	Α	127	3.682	12.972	22.603	1.00 17.60
ATOM	850	CE2	PHE	Α	127	3.902	11.819	23.398	1.00 14.91
ATOM	851	CD2	PHE	Α	127	3.540	11.826	24.721	1.00 15.74
ATOM	852	С	PHE	Α	127	0.913	10.967	26.199	1.00 15.37
ATOM	853	0	PHE	Α	127	0.234	10.922	25.167	1.00 15.38
ATOM	854	N			128	1.486	9.880	26.710	1.00 15.77
ATOM	855	CA			128	1.412	8.643	25.951	1.00 15.30
ATOM	856	СВ			128	2.416	7.618	26.452	1.00 14.62
ATOM	857	CG			128	3.800	7.961	26.004	1.00 15.64
ATOM	858	CD1			128	4.848	8.266	26.796	1.00 16.32
ATOM	859	NE1			128	5.978	8.498	26.047	1.00 16.04
ATOM	860	CE2			128	5.658	8.340	24.721	1.00 17.00
ATOM	861	CD2				4.275	8.037	24.656	1.00 14.14
	862	CE3				3.697	7.798	23.401	1.00 14.14
ATOM		CZ3				4.481	7.730	22.261	1.00 10.03
ATOM	863						8.288	22.362	1.00 13.71
ATOM	864	CH2				5.855			1.00 13.00
ATOM	865	CZ2				6.446	8.494	23.583	
ATOM	866	C			128	0.000	8.071	25.981	1.00 14.42
ATOM	867	0			128	-0.410	7.416	25.021	1.00 15.80
ATOM	868	N			129	-0.671	8.219	27.123	1.00 16.32
ATOM	869	CA			129	-2.091	7.905	27.214	1.00 15.35
ATOM	870	CB			129	-2.642	8.310	28.588	1.00 18.04
ATOM	871	CG	LYS			-4.131	7.953	28.762	1.00 16.84
ATOM	872	CD	LYS			-4.549	8.066	30.229	1.00 19.80
ATOM	873	CE			129	-6.064	8.051	30.343	1.00 21.91
ATOM	874	NZ	LYS	Α	129	-6.439	8.260	31.807	1.00 25.23
ATOM	875	С	LYS	Α	129	-2.861	8.607	26.121	1.00 16.69
MOTA	876	0			129	-3.713	8.011	25.465	1.00 16.75
ATOM	877	N	MET			-2.618	9.909	25.990	1.00 15.72
ATOM	878	CA	MET			-3.311	10.652	24.957	1.00 16.87
ATOM	879	CB	MET			-3.026	12.145	25.080	1.00 14.45
ATOM	880	CG	MET			-3.608	12.865	23.908	1.00 15.57
ATOM	881	SD	MET			-3.131	14.614	23.936	1.00 17.91
ATOM	882	CE	MET			-1.383	14.608	23.583	1.00 16.03
	883	CE	MET			-3.040	10.117	23.548	1.00 16.34
ATOM	003	C	LIET	ч	120	3.040	10.11/	23.340	1.00 10.04

MOTA	884	0	MET	Α	130	-3.965	9.899	22.759	1.00 16.31
ATOM	885	N	VAL	Α	131	-1.783	9.837	23.226	1.00 15.65
MOTA	886	CA	VAL	Α	131	-1.402	9.283	21.924	1.00 13.92
ATOM	887	CB	VAL	Α	131	0.120	9.049	21.956	1.00 14.34
ATOM	888	CG1	VAL	А	131	0.588	8.212	20.797	1.00 18.45
ATOM	889		VAL			0.877	10.386	21.984	1.00 18.04
ATOM	890	C	VAL			-2.107	7.948	21.681	1.00 14.86
ATOM	891	Ō	VAL			-2.609	7.668	20.579	1.00 15.81
ATOM	892	N	TRP			-2.209	7.145	22.732	1.00 14.88
ATOM	893	CA	TRP			-2.840	5.840	22.599	1.00 14.40
ATOM	894	CB	TRP			-2.599	4.996	23.861	1.00 14.68
	895	CG	TRP			-3.301	3.666	23.747	1.00 16.82
ATOM		CD1	TRP			-4.427	3.273	24.402	1.00 17.83
ATOM	896		TRP			-4.799	2.015	23.980	1.00 16.10
ATOM	897	NE1				-3.901	1.566	23.049	1.00 19.18
ATOM	898	CE2	TRP					22.852	1.00 13.10
ATOM	899	CD2	TRP			-2.956	2.591		
ATOM	900	CE3	TRP			-1.924	2.388	21.930	1.00 16.64
ATOM	901	CZ3	TRP			-1.857	1.165	21.233	1.00 18.77
ATOM	902	CH2	TRP			-2.841	0.177	21.450	1.00 19.47
ATOM	903	CZ2				-3.857	0.358	22.350	1.00 18.87
ATOM	904	С	TRP			-4.346	6.021	22.375	1.00 14.57
ATOM	905	0	TRP			-4.901	5.489	21.423	1.00 14.81
MOTA	906	N	GLU			-4.977	6.784	23.257	1.00 17.42
MOTA	907	CA	GLU			-6.450	6.895	23.277	1.00 15.50
ATOM	908	CB	GLU			-6.924	7.614	24.526	1.00 15.78
ATOM	909	CG	GLU	Α	133	-6.669	6.814	25.790	1.00 17.18
ATOM	910	CD	GLU	Α	133	-7.390	7.374	26.988	1.00 25.51
MOTA	911	OE1	GLU	Α	133	-7.721	8.585	26.977	1.00 22.92
ATOM	912	OE2	GLU	Α	133	- 7.539	6.592	27.957	1.00 21.86
ATOM	913	С	GLU	Α	133	-6.990	7.595	22.041	1.00 17.24
ATOM	914	0	GLU	Α	133	-8.144	7.335	21.609	1.00 16.93
ATOM	915	N	GLN	Α	134	-6.188	8.513	21.501	1.00 16.12
ATOM	916	CA	GLN	Α	134	-6.583	9.284	20.326	1.00 16.01
ATOM	917	СВ	GLN			-6.136	10.746	20.432	1.00 15.45
ATOM	918	CG	GLN			-6.658	11.461	21.657	1.00 16.97
ATOM	919	CD	GLN			-8.141	11.671	21.576	1.00 21.63
ATOM	920	OE1				-8.649	12.128	20.548	1.00 30.42
ATOM	921	NE2	GLN			-8.855	11.298	22.636	1.00 24.38
ATOM	922	C	GLN			-6.211	8.681	18.987	1.00 16.29
ATOM	923	0	GLN			-6.418	9.300	17.936	1.00 17.57
ATOM	924	N	ASN			-5.721	7.438	19.007	1.00 16.26
	925	CA	ASN			-5.338	6.741	17.788	1.00 16.42
ATOM	926		ASN			-6.562	6.516	16.901	1.00 18.03
ATOM		CB	ASN			-7.602	5.656	17.580	1.00 22.43
ATOM	927	CG OD1						17.849	1.00 28.78
ATOM	928		ASN			-7.358 -8.757	4.475	17.865	1.00 27.37
ATOM	929		ASN			-8.757	6.232		1.00 27.37
ATOM	930	C	ASN			-4.243	7.426	16.964	
ATOM	931	0	ASN			-4.199	7.287	15.749	1.00 17.34
ATOM	932	N	VAL			-3.380	8.164	17.651	1.00 18.13
ATOM	933	CA	VAL			-2.276	8.873	17.011	1.00 16.80
ATOM	934	CB	VAL			-1.664	9.866	18.023	1.00 18.00
ATOM	935	CG1	VAL	A	136	-0.351	10.461	17.482	1.00 16.01

ATOM	936	CG2	VAL A	A	136	-2.680	10.930	18.399	1.00 18.19
ATOM	937	С	VAL A	A	136	-1.229	7.880	16.483	1.00 18.93
ATOM	938	0	VAL A	A	136	-0.821	6.977	17.211	1.00 19.57
ATOM	939	N	HIS A	Α	137	-0.860	8.013	15.202	1.00 17.50
ATOM	940	CA	HIS A			0.264	7.277	14.623	1.00 16.22
ATOM	941	СВ	HIS			-0.110	6.473	13.360	1.00 18.79
ATOM	942	CG	HIS			-1.152	5.414	13.571	1.00 19.38
	943	ND1				-2.419	5.691	14.034	1.00 20.18
ATOM			HIS A			-3.116	4.572	14.115	1.00 22.60
ATOM	944	CE1	HIS A			-2.358	3.579	13.680	1.00 22.19
ATOM	945	NE2						13.344	1.00 20.32
ATOM	946	CD2	HIS A			-1.121	4.078		1.00 20.32
ATOM	947	С	HIS A			1.494	8.093	14.295	1.00 17.23
MOTA	948	0	HIS A			2.513	7.496	13.947	
MOTA	949	N	ASN I			1.428	9.423	14.394	
MOTA	950	CA	ASN A			2.590	10.238	14.046	1.00 17.25
ATOM	951	CB	ASN A			2.470	10.816	12.632	1.00 17.99
MOTA	952	CG	ASN A			2.330	9.741	11.562	1.00 18.27
MOTA	953	OD1				1.219	9.397	11.126	1.00 25.07
MOTA	954	ND2	ASN A	Α	138	3.457	9.169	11.189	1.00 19.74
MOTA	955	С	ASN A	Α	138	2.684	11.382	15.044	1.00 14.09
ATOM	956	0	ASN A	Α	138	1.676	11.996	15.397	1.00 15.42
ATOM	957	N	ILE A	A	139	3.904	11.633	15.485	1.00 13.67
ATOM	958	CA	ILE A	Α	139	4.204	12.739	16.391	1.00 13.12
ATOM	959	СВ	ILE A			4.750	12.186	17.716	1.00 14.52
ATOM	960	CG1	ILE			3.714	11.302	18.394	1.00 14.31
ATOM	961	CD1	ILE			4.274	10.494	19.577	1.00 15.81
ATOM	962	CG2	ILE A			5.125	13.346	18.653	1.00 15.50
ATOM	963	C	ILE			5.282	13.581	15.752	1.00 15.31
ATOM	964	0	ILE			6.323	13.073	15.333	1.00 16.48
ATOM	965	N	VAL			5.076	14.892	15.788	1.00 14.75
		CA	VAL			6.049	15.831	15.231	1.00 15.93
MOTA	966		VAL			5.367	16.704	14.177	1.00 15.43
ATOM	967	CB				6.329	17.788	13.728	1.00 16.73
ATOM	968	CG1	VAL				15.852	12.985	1.00 17.63
MOTA	969		VAL			4.898		16.377	1.00 17.03
MOTA	970	С	VAL			6.531	16.700		1.00 18.31
MOTA	971	0	VAL			5.717	17.295	17.053	
ATOM	972	N	MET .			7.839	16.702	16.645	1.00 16.31
ATOM	973	CA	MET .			8.421	17.472	17.741	1.00 17.39
ATOM	974	CB	MET .			9.226	16.515	18.632	1.00 16.11
ATOM	975	CG	MET .			10.082	17.201	19.670	1.00 16.87
MOTA	976	SD	MET .			10.679	15.960	20.837	1.00 18.61
ATOM	977	CE	MET .	A	141	11.650	16.998	21.959	1.00 19.51
ATOM	978	С	MET .	Α	141	9.344	18.530	17.127	1.00 17.17
ATOM	979	0	MET .	Α	141	10.303	18.177	16.439	1.00 17.62
ATOM	980	N	VAL .	Α	142	9.081	19.805	17.364	1.00 16.69
MOTA	981	CA	VAL .			9.869	20.876	16.731	1.00 19.57
ATOM	982	СВ	VAL .			9.050	21.674	15.715	1.00 17.61
MOTA	983		VAL			8.808	20.820	14.463	1.00 20.20
ATOM	984	CG2				7.675	22.009	16.283	1.00 19.28
ATOM	985	C	VAL			10.477	21.756	17.829	1.00 21.83
ATOM	986	0	VAL			10.473	22.986	17.763	1.00 24.11
ATOM	987	N	THR			10.993	21.091	18.852	1.00 19.91
121 Ot1	J0 1	14	T1111	- 1	140	10.555			

ATOM	988	CA	THR A	143	11.84		19.857		20.81
ATOM	989	СВ	THR A	143	11.04		21.108		20.61
MOTA	990	OG1	THR A	143	11.83	5 22.818	22.014		20.47
ATOM	991	CG2	THR A	143	10.72		21.898		19.53
MOTA	992	С	THR A	143	13.00		20.195		21.41
MOTA	993	0	THR A	143	12.91		19.953		20.95
ATOM	994	N	GLN A	144	14.09	6 21.337	20.719		21.06
ATOM	995	CA	GLN A	144	15.04	7 20.523	21.456		21.41
ATOM	996	СВ	GLN A	144	16.45	3 21.107	21.274		20.22
ATOM	997	CG	GLN A	144	16.88		19.815		24.39
ATOM	998	CD	GLN A		18.35	9 21.298	19.583		35.02
ATOM	999		GLN A		19.22	3 20.456	19.834		39.33
ATOM	1000		GLN A		18.64	5 22.494	19.082		39.04
MOTA	1001	С	GLN A		14.65	4 20.440	22.930		21.42
ATOM	1002	0	GLN A		13.84	7 21.248	23.418		22.29
ATOM	1003	N	CYS A		15.18	0 19.442	23.633		22.65
ATOM	1004	CA	CYS A		14.89	4 19.289	25.055		21.56
ATOM	1005	CB	CYS A		15.32	8 17.917	25.563		24.41
ATOM	1006	SG	CYS A		14.34	0 16.594	24.859		25.88
ATOM	1007	C	CYS A		15.51	2 20.364	25.934		22.77
ATOM	1008	0	CYS A		14.89	1 20.755	26.915		24.26
ATOM	1009	N	VAL A		16.71	9 20.828	25.592		23.87
ATOM	1010	CA	VAL A		17.33	9 21.968	26.261		23.79
ATOM	1011	СВ	VAL A		18.56		27.130		24.52
ATOM	1012	CG1			19.14		27.803		25.21
ATOM	1013		VAL A		18.18	9 20.488	28.141	1.00	23.81
ATOM	1014	C	VAL A		17.76	7 22.977	25.204		24.71
ATOM	1015	0	VAL A		18.33	.3 22.613	24.157		25.61
ATOM	1016	N	GLU A		17.44	13 24.238	25.459		25.28
ATOM	1017	CA	GLU A		17.69	25.313	24.508		27.56
ATOM	1018	СВ	GLU A		16.40	25.661	23.747		26.39
ATOM	1019	CG	GLU A		16.14	17 24.689	22.609		27.32
ATOM	1020	CD	GLU A		14.78	30 24.858	21.965		30.78
ATOM	1021	OE1			13.98	25.680	22.460		34.57
ATOM	1022	OE2			14.49	24.143	20.984		29.08
ATOM	1023	С	GLU A		18.20	00 26.521	25.286		29.05
ATOM	1024	0	GLU A		17.52	26 27.046			29.89
ATOM	1025	N	LYS A	148	19.43				32.08
ATOM	1026	CA	LYS P	148	20.03		25.662		33.87
ATOM	1027	CB	LYS F	148	19.45	59 29.383	25.157		34.11
ATOM	1028	CG	LYS F		19.60	29.554	23.639		39.02
ATOM	1029	CD	LYS F		19.1	40 30.923	23.161		46.18
ATOM	1030	CE	LYS F		19.20	31.029	21.638		46.64
ATOM	1031	NZ	LYS P		18.69	38 32.332			48.93
ATOM	1032	С	LYS F		19.9	70 27.934			32.87
ATOM	1033	Ō	LYS F		19.7				34.86
ATOM	1034	N	GLY F		20.20	26.721	27.676		32.51
ATOM	1035	CA	GLY F		20.3				31.75
ATOM	1036	C	GLY F		19.0				32.98
ATOM	1037	Ō	GLY F		19.0	60 26.224			34.77
ATOM	1038	N	ARG A		17.9				28.60
ATOM	1039	CA	ARG A		16.6	36 26.155	29.727	1.00	29.87

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MOTA	1040	CB	ARG A	150	15.753	27.256	29.140	1.00 27.76
ATOM	1041	CG	ARG A	150	14.682	27.764	30.090	1.00 38.86
ATOM	1042	CD	ARG A	150	13.434	26.895	30.207	1.00 47.60
ATOM	1043	NE	ARG A		12.793	27.055	31.514	1.00 53.99
	1044	CZ	ARG A		11.684	27.754	31.725	1.00 57.80
ATOM			ARG A		11.080	28.354	30.708	1.00 60.31
MOTA	1045	NH1				27.851	32.947	1.00 59.21
MOTA	1046	NH2	ARG A		11.170			
MOTA	1047	С	ARG A		16.059	24.827	29.300	1.00 26.37
MOTA	1048	0	ARG A		16.204	24.456	28.136	1.00 26.29
MOTA	1049	N	VAL A	151	15.407	24.129	30.226	1.00 27.16
ATOM	1050	CA	VAL A	151	14.784	22.862	29.876	1.00 26.73
ATOM	1051	CB	VAL A	151	14.567	21.979	31.132	1.00 27.55
ATOM	1052	CG1	VAL A		13.608	20.849	30.835	1.00 25.30
ATOM	1053	CG2	VAL A		15.909	21.399	31.605	1.00 29.25
ATOM	1054	C	VAL A		13.486	23.199	29.136	1.00 24.76
		0	VAL A		12.697	24.027	29.612	1.00 28.00
ATOM	1055					22.595	27.964	1.00 23.05
MOTA	1056	N	LYS A		13.285			1.00 23.03
ATOM	1057	CA	LYS A		12.147	22.954	27.114	
MOTA	1058	CB	LYS A		12.622	23.481	25.741	1.00 24.16
MOTA	1059	CG	LYS A		13.479	24.753	25.812	1.00 26.71
ATOM	1060	CD	LYS A		12.677	26.053	25.966	1.00 31.53
MOTA	1061	CE	LYS A	152	13.274	27.189	25.109	1.00 31.75
MOTA	1062	NZ	LYS A	152	13.081	28.512	25.766	1.00 39.48
ATOM	1063	С	LYS A	152	11.170	21.809	26.923	1.00 22.29
ATOM	1064	0	LYS A		9.987	22.029	26.641	1.00 18.68
ATOM	1065	N	CYS A		11.677	20.599	27.139	1.00 22.37
ATOM	1066	CA	CYS A		10.914	19.385	26.901	1.00 20.12
ATOM	1067	СВ	CYS A		10.752	19.107	25.412	1.00 19.37
ATOM	1068	SG	CYS A		9.611	17.737	25.063	1.00 18.76
ATOM	1069	C	CYS A		11.640	18.241	27.567	1.00 20.48
			CYS A		12.868	18.148	27.498	1.00 21.39
ATOM	1070	0			10.892	17.375	28.230	1.00 21.01
ATOM	1071	N	ASP A				28.782	1.00 20.95
MOTA	1072	CA	ASP A		11.490	16.164		1.00 20.33
MOTA	1073	CB	ASP A		10.524	15.523	29.772	
MOTA	1074	CG	ASP A		11.150	14.365	30.511	1.00 25.17
MOTA	1075		ASP A		12.202	14.589	31.155	1.00 24.97
MOTA	1076	OD2	ASP A	154	10.662	13.223	30.477	1.00 24.65
ATOM	1077	С	ASP A	154	11.831	15.185	27.650	1.00 20.85
ATOM	1078	0	ASP A	154	11.233	15.218	26.586	1.00 20.84
ATOM	1079	N	HIS A	155	12.838	14.337	27.860	1.00 20.25
ATOM	1080	CA	HIS A	155	13.113	13.265	26.916	1.00 20.35
ATOM	1081	CB	HIS A		14.579	12.839	27.069	1.00 21.06
ATOM	1082	CG	HIS A		15.056	11.901	26.007	1.00 22.85
ATOM	1083		HIS A		14.630	10.591	25.915	1.00 25.15
ATOM	1084		HIS A		15.237	10.003	24.900	1.00 24.10
	1085		HIS A		16.056	10.877	24.340	1.00 27.20
ATOM			HIS A		15.975	12.067	25.026	1.00 27.39
ATOM	1086					12.112	27.240	1.00 20.30
ATOM	1087	С	HIS A		12.157		28.053	1.00 20.30
ATOM	1088	0	HIS A		12.458	11.225		1.00 19.04
ATOM	1089	N	TYR A		10.960	12.181	26.666	
MOTA	1090	CA	TYR A		9.814	11.436	27.165	1.00 18.36
ATOM	1091	CB	TYR A	156	8.520	12.247	27,004	1.00 18.65

MOTA	1092	CG	TYR A		8.250	12.664	25.569	1.00 17.99
ATOM	1093	CD1	TYR A	156	7.624	11.796	24.669	1.00 16.25
MOTA	1094	CE1	TYR A	156	7.427	12.171	23.328	1.00 16.10
ATOM	1095	CZ	TYR A	156	7.776	13.457	22.936	1.00 15.17
ATOM	1096	ОН	TYR A	156	7.497	13.806	21.627	1.00 15.03
ATOM	1097	CE2			8.397	14.321	23.810	1.00 21.32
ATOM	1098	CD2			8.618	13.922	25.132	1.00 16.85
ATOM	1099	C	TYR A		9.678	10.091	26.469	1.00 17.96
ATOM	1100	0	TYR A		8.723	9.365	26.730	1.00 18.06
ATOM	1101	N	TRP A		10.660	9.764	25.635	1.00 19.28
ATOM	1102	CA	TRP A		10.722	8.482	24.933	1.00 20.13
ATOM	1102	CB	TRP A		10.668	8.723	23.414	1.00 18.70
	1103	CG	TRP A		11.885	9.431	22.911	1.00 18.38
MOTA	1104	CD1	TRP A		13.031	8.858	22.463	1.00 20.53
MOTA	1105	NE1	TRP A		13.924	9.827	22.075	1.00 19.49
ATOM	1100	CE2	TRP A		13.387	11.061	22.338	1.00 17.77
ATOM			TRP A		12.085	10.848	22.833	1.00 18.54
ATOM	1108	CD2	TRP A		11.320	11.955	23.192	1.00 20.35
ATOM	1109	CE3			11.836	13.222	23.012	1.00 20.87
ATOM	1110	CZ3	TRP A			13.404	22.500	1.00 22.03
MOTA	1111	CH2	TRP A		13.145	12.335	22.150	1.00 20.41
MOTA	1112	CZ2	TRP A		13.920		25.370	1.00 20.41
MOTA	1113	C	TRP A		11.993	7.755	25.928	1.00 22.07
MOTA	1114	0	TRP A		12.912	8.357	25.173	1.00 23.81
MOTA	1115	N	PRO A		12.042	6.446	25.175	1.00 25.01
MOTA	1116	CA	PRO A		13.207	5.671		1.00 25.18
MOTA	1117	CB	PRO A		12.854	4.227	25.238	1.00 23.31
MOTA	1118	CG	PRO A		11.341	4.234	25.220	
MOTA	1119	CD	PRO A		10.976	5.594	24.619	1.00 25.87
MOTA	1120	С	PRO A		14.515	6.105	24.973	1.00 24.62
MOTA	1121	0	PRO A		14.568	6.599	23.836	1.00 24.33 1.00 25.95
MOTA	1122	N	ALA A		15.567	5.872	25.742	
MOTA	1123	CA	ALA A		16.937	6.192	25.347	1.00 27.03
MOTA	1124	CB	ALA A		17.775	6.378	26.592	1.00 26.95
MOTA	1125	С	ALA A		17.529	5.113	24.441	1.00 28.60
MOTA	1126	0	ALA A		18.512	5.345	23.723	1.00 31.08
MOTA	1127	N	ASP A		16.921	3.932	24.461	1.00 26.27
MOTA	1128	CA	ASP A		17.429	2.795	23.710	1.00 26.44
MOTA	1129	СВ	ASP A		18.488	2.056	24.529	1.00 27.67
MOTA	1130	CG	ASP A		17.981	1.620	25.873	1.00 28.84
MOTA	1131		ASP A		16.776	1.290	26.014	
ATOM	1132	OD2	ASP A		18.735	1.597	26.865	1.00 32.92
MOTA	1133	С	ASP A		16.296	1.855	23.363	1.00 25.36
ATOM	1134	0	ASP A	160	15.141	2.250	23.501	1.00 23.64
ATOM	1135	N	GLN A	161	16.614	0.641	22.915	1.00 23.95
ATOM	1136	CA	GLN A	161	15.585	-0.240	22.365	1.00 24.83
ATOM	1137	СВ	GLN A	161	16.094	-1.043	21.164	1.00 26.83
ATOM	1138	CG	GLN A		16.563	-0.146	20.012	1.00 32.67
ATOM	1139	CD	GLN A	161	16.766	-0.870	18.682	1.00 42.17
ATOM	1140	OE1			16.550	-2.078	18.566	1.00 44.45
ATOM	1141		GLN A	161	17.202	-0.125	17.675	1.00 44.50
ATOM	1142	С	GLN A		14.907	-1.126	23.415	1.00 23.64
ATOM	1143	0	GLN A		14.058	-1.955	23.069	1.00 26.15
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ATOM	1144	N	ASP	Α	162	15.219	-0.906	24.689	1.00	
MOTA	1145	CA	ASP	Α	162	14.621	-1.750	25.724		22.06
ATOM	1146	CB	ASP	Α	162	15.416	-1.717	27.025	1.00	20.34
ATOM	1147	CG	ASP			16.797	-2.326	26.891		29.79
ATOM	1148		ASP			17.083	-2.995	25.878		31.31
ATOM	1149		ASP			17.657	-2.177	27.779		39.34
	1150	C	ASP			13.240	-1.174	26.011	1.00	20.10
MOTA	1151	0	ASP			13.149	0.028	26.267	1.00	21.67
ATOM		N	SER			12.210	-2.020	26.029	1.00	22.00
ATOM	1152		SER			10.860	-1.555	26.374	1.00	19.52
ATOM	1153	CA	SER			9.797	-2.621	26.127		19.81
ATOM	1154	CB	SER			10.079	-3.816	26.840		24.08
MOTA	1155	OG				10.742	-0.998	27.791		20.81
MOTA	1156	С	SER			11.529	-1.343	28.699		19.79
MOTA	1157	0	SER				-0.123	27.987		20.37
MOTA	1158	N	LEU			9.765		29.298		20.27
MOTA	1159	CA	LEU			9.525	0.494			21.91
MOTA	1160	CB	LEU			10.225	1.847	29.418		28.59
MOTA	1161	CG	LEU			11.716	2.029	29.730		
MOTA	1162	CD1	LEU			11.962	3.530	29.619		32.46
ATOM	1163	CD2				11.994	1.587	31.160		29.88
ATOM	1164	С	LEU	Α	164	8.031	0.814	29.392		17.64
MOTA	1165	0	LEU			7.400	1.129	28.385		19.87
ATOM	1166	N	TYR	Α	165	7.511	0.782	30.613		18.28
MOTA	1167	CA	TYR	Α	165	6.148	1.247	30.880		16.77
ATOM	1168	CB	TYR	Α	165	5.625	0.605	32.160		17.12
ATOM	1169	CG	TYR	Α	165	4.965	-0.711	31.893		20.15
ATOM	1170	CD1	TYR	Α	165	3.698	-0.753	31.322		21.67
ATOM	1171	CE1		Α	165	3.081	-1.967	31.054		19.75
ATOM	1172	CZ			165	3.726	-3.137	31.372		23.95
ATOM	1173	ОН			165	3.113	-4.342	31.095		28.45
ATOM	1174	CE2			165	4.972	-3.123	31.935		21.42
ATOM	1175	CD2			165	5.587	-1.906	32.230		21.96
ATOM	1176	C			165	6.107	2.749	31.085	1.00	19.28
ATOM	1177	Ö			165	6.948	3.318	31.778	1.00	22.32
ATOM	1178	N			166	5.105	3.372	30.480	1.00	19.16
ATOM	1179	CA			166	4.668	4.714	30.858	1.00	18.90
ATOM	1180	СВ			166	4.762	5.650	29.639	1.00	19.56
ATOM	1181	CG			166	6.180	5.875	29.174	1.00	18.34
ATOM	1182	CD1			166	6.896	6.985	29.601	1.00	16.76
	1183	CE1			166	8.223	7.190	29.153	1.00	18.94
ATOM	1184	CZ			166	8.777	6.306	28.245	1.00	22.27
ATOM		OH			166	10.067	6.497	27.780		24.37
ATOM	1185		TYR			8.067	5.222	27.789		26.25
ATOM	1186		TYR			6.768	5.016	28.245		22.49
ATOM	1187					3.235	4.628	31.372		19.75
ATOM	1188	С			166	2.297	4.549	30.586		20.21
ATOM	1189	0			166	3.032	4.609	32.694		20.43
ATOM	1190	N			167		4.310	33.165		21.54
MOTA	1191	CA			167	1.684	2.931	32.728		23.50
MOTA	1192	С			167	1.209		32.728		23.77
MOTA	1193	0			167	1.932	1.957			21.81
MOTA	1194	N			168	0.029	2.885	32.099		26.70
MOTA	1195	CA	ASP	A	168	-0.673	1.718	31.567	1.00	20.70

ATOM	1196	СВ	ASP			-2.086	2.171	31.152	1.00 28.49
MOTA	1197	CG	ASP	Α	168	-3.021	2.345	32.289	1.00 35.95
MOTA	1198	OD1	ASP	Α	168	-2.581	2.521	33.451	1.00 44.09
ATOM	1199	OD2	ASP	Α	168	-4.248	2.352	32.078	1.00 36.92
ATOM	1200	С	ASP			-0.150	1.270	30.206	1.00 24.58
ATOM	1201	0	ASP			-0.717	0.345	29.619	1.00 26.11
ATOM	1202	N	LEU			0.840	1.971	29.657	1.00 21.74
ATOM	1203	CA	LEU			1.205	1.797	28.261	1.00 19.33
ATOM	1204	СВ	LEU			1.174	3.152	27.567	1.00 19.99
ATOM	1205	CG	LEU			1.541	3.109	26.095	1.00 25.20
ATOM	1206		LEU			0.471	3.894	25.397	1.00 26.72
ATOM	1207		LEU		169	2.886	3.769	25.917	1.00 25.81
ATOM	1208	C	LEU			2.619	1.256	28.197	1.00 20.65
MOTA	1209	0	LEU			3.485	1.740	28.907	1.00 21.93
ATOM	1210	N	ILE			2.857	0.250	27.370	1.00 18.58
ATOM	1211	CA	ILE			4.239	-0.182	27.197	1.00 19.82
ATOM	1212	CB			170	4.309	-1.728	27.237	1.00 19.31
ATOM	1213	CG1	ILE			5.746	-2.220	26.983	1.00 22.75
ATOM	1214	CD1	ILE			6.454	-2.519	28.252	1.00 22.15
ATOM	1215	CG2				3.367	-2.344	26.238	1.00 22.33
ATOM	1216	C	ILE			4.745	0.359	25.870	1.00 19.44
ATOM	1217	0			170	4.000	0.382	24.898	1.00 19.22
	1217	N	LEU			6.009	0.775	25.817	1.00 18.90
ATOM ATOM	1219	CA	LEU			6.505	1.440	24.631	1.00 18.91
	1220	CB	LEU			6.697	2.923	24.954	1.00 19.73
MOTA	1221	CG	LEU			7.108	3.758	23.751	1.00 25.25
ATOM	1221	CD1				6.670	5.162	24.054	1.00 28.25
ATOM			LEU			8.618	3.703	23.723	1.00 29.29
MOTA	1223 1224	CD2	LEU			7.852	0.820	24.354	1.00 19.14
ATOM			LEU			8.556	0.467	25.305	1.00 18.74
MOTA	1225	0	GLN			8.174	0.655	23.074	1.00 17.00
ATOM	1226	N C7				9.485	0.117	22.713	1.00 18.63
MOTA	1227	CA	GLN			9.392	-1.379	22.439	1.00 19.29
ATOM	1228	CB	GLN			10.724	-2.109	22.433	1.00 25.23
ATOM	1229	CG	GLN			10.724	-3.552	21.842	1.00 28.98
ATOM	1230	CD			172	9.779	-3.776	20.859	1.00 20.54
ATOM	1231	OE1	GLN			11.024	-4.521	22.559	1.00 30.34
ATOM	1232	NE2						21.464	1.00 24.03
ATOM	1233	C	GLN			9.946 9.242	0.820 0.825	20.460	1.00 17.30
ATOM	1234	0			172				1.00 20.03
ATOM	1235	N	MET			11.166	1.337	21.506 20.315	1.00 18.03
ATOM	1236	CA	MET			11.703	2.006	20.313	1.00 15.61
ATOM	1237	CB	MET			12.860	2.934		
MOTA	1238	CG	MET			13.415	3.696	19.493	1.00 20.90
ATOM	1239	SD	MET			14.248	5.251	19.921	1.00 22.90
MOTA	1240	CE	MET			15.666	4.695	20.787	1.00 24.34
ATOM	1241	C	MET			12.262	0.942	19.386	1.00 20.45
ATOM	1242	0			173	13.189	0.219	19.790	1.00 23.02
MOTA	1243	N	LEU			11.783	0.916	18.144	1.00 19.05
ATOM	1244	CA			174	12.245	-0.028	17.131	1.00 20.65
ATOM	1245	CB	LEU			11.102	-0.481	16.243	1.00 22.05
MOTA	1246	CG			174	9.874	-1.071	16.934	1.00 19.97
ATOM	1247	CD1	LEU	Α	174	8.825	-1.459	15.899	1.00 25.97

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MOTA	1248	CD2	LEU A	174	10.205	-2.246	17.825	1.00 24.09
ATOM	1249	С	LEU A	174	13.385	0.487	16.262	1.00 22.40
ATOM	1250	0	LEU A	174	14.226	-0.290	15.807	1.00 23.87
ATOM	1251	N	SER A	175	13.419	1.794	16.031	1.00 21.05
ATOM	1252	CA	SER A		14.501	2.374	15.250	1.00 20.96
ATOM	1253	CB	SER A		14.261	2.317	13.743	1.00 19.89
	1253	OG	SER A		13.038	2.900	13.345	1.00 21.43
ATOM		C	SER A		14.670	3.819	15.645	1.00 18.88
ATOM	1255		SER A		13.739	4.466	16.097	1.00 19.35
ATOM	1256	0			15.880	4.300	15.439	1.00 17.31
ATOM	1257	N	GLU A		16.187	5.707	15.592	1.00 17.56
MOTA	1258	CA	GLU A				16.988	1.00 17.33
ATOM	1259	СВ	GLU A		16.755	5.907	17.319	1.00 22.48
ATOM	1260	CG	GLU A		17.299	7.278		
MOTA	1261	CD	GLU A		17.792	7.337	18.749	1.00 24.54
MOTA	1262	OE1			18.951	6.933	19.003	1.00 35.75
MOTA	1263	OE2	GLU A	176	17.050	7.813	19.612	1.00 25.21
MOTA	1264	C	GLU A		17.141	6.067	14.463	1.00 17.07
MOTA	1265	0	GLU A	176	18.276	5.559	14.397	1.00 19.83
ATOM	1266	N	SER A	177	16.684	6.953	13.579	1.00 18.92
ATOM	1267	CA	SER A	177	17.484	7.339	12.419	1.00 20.17
ATOM	1268	СВ	SER A	177	16.766	6.925	11.139	1.00 19.64
ATOM	1269	ŌG	SER A		16.378	5.553	11.196	1.00 26.41
ATOM	1270	C	SER A		17.786	8.844	12.477	1.00 18.07
ATOM	1271	Ö	SER A		16.922	9.671	12.295	1.00 16.18
ATOM	1272	N	VAL A		19.035	9.210	12.728	1.00 19.19
ATOM	1273	CA	VAL A		19.408	10.605	12.863	1.00 18.44
	1273	CB	VAL A		20.648	10.758	13.802	1.00 18.96
MOTA	1274	CG1			21.063	12.211	13.900	1.00 19.33
MOTA		CG2			20.350	10.128	15.180	1.00 22.08
ATOM	1276		VAL A		19.814	11.098	11.472	1.00 17.78
ATOM	1277	C			20.753	10.578	10.850	1.00 18.38
ATOM	1278	0	VAL A		19.070	12.075	10.030	1.00 18.02
ATOM	1279	N	LEU A			12.663	9.663	1.00 16.64
MOTA	1280	CA	LEU A		19.347		8.777	1.00 17.91
ATOM	1281	CB	LEU A		18.074	12.673		1.00 17.31
MOTA	1282	CG	LEU A		17.193	11.405	8.899	1.00 18.10
MOTA	1283	CD1			15.925	11.510	8.066	1.00 15.53
MOTA	1284	CD2			17.912	10.091	8.610	1.00 13.33
MOTA	1285	С	LEU A		19.922	14.059	9.914	
ATOM	1286	0	LEU A		20.078	14.486	11.066	1.00 18.05
MOTA	1287	N	PRO A	180	20.307	14.764		1.00 15.89
MOTA	1288	CA	PRO A	180	20.946	16.077	9.031	1.00 17.67
ATOM	1289	CB	PRO A	180	21.055	16.593	7.609	1.00 16.61
MOTA	1290	CG	PRO A	180	21.283	15.311	6.840	1.00 17.50
MOTA	1291	CD	PRO A	180	20.255	14.354	7.454	1.00 16.79
MOTA	1292	С	PRO A	180	20.190	17.085	9.863	1.00 17.87
ATOM	1293	O	PRO A		20.802	17.756	10.702	1.00 19.82
ATOM	1294	N	GLU A		18.878	17.189	9.656	1.00 17.72
ATOM	1295	CA	GLU A		18.130	18.231	10.335	1.00 19.40
ATOM	1296	CB	GLU A		17.737	19.349	9.366	1.00 20.16
ATOM	1297	CG	GLU A		18.973	20.058	8.833	1.00 24.30
ATOM	1298	CD	GLU A		18.615	21.064	7.765	1.00 30.86
	1290		GLU A		17.597	20.866	7.057	1.00 33.00
ATOM	エムタフ	OPI	OHO H	T O T	1			

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ATOM	1300	OE2	GLU A	181	19.384	22.040	7.641	1.00 39.73
ATOM	1301	С	GLU A	181	16.890	17.704	11.048	1.00 19.38
ATOM	1302	0	GLU A	181	16.209	18.470	11.692	1.00 19.21
ATOM	1303	N	TRP A		16.619	16.405	10.942	1.00 16.49
ATOM	1304	CA	TRP A		15.667	15.784	11.836	1.00 16.57
ATOM	1305	CB	TRP A		14.242	15.924	11.286	1.00 15.22
	1306	CG	TRP A		14.026	15.548	9.833	1.00 13.61
ATOM	1307	CD1	TRP A		13.615	14.342	9.354	1.00 15.76
ATOM		NE1	TRP A		13.472	14.385	7.987	1.00 16.34
ATOM	1308		TRP A		13.726	15.663	7.565	1.00 13.66
MOTA	1309	CE2	TRP A		14.072	16.427	8.713	1.00 14.52
ATOM	1310	CD2			14.416	17.767	8.547	1.00 16.17
MOTA	1311	CE3	TRP A			18.307	7.265	1.00 17.28
MOTA	1312	CZ3	TRP A		14.369		6.154	1.00 20.20
ATOM	1313	CH2	TRP A		14.019	17.520		1.00 20.20
MOTA	1314	CZ2	TRP A		13.697	16.196	6.281	1.00 13.13
ATOM	1315	С	TRP A		16.019	14.330	12.118	
ATOM	1316	0	TRP A		16.831	13.721	11.423	1.00 16.83
MOTA	1317	N	THR A	183	15.372	13.776	13.135	1.00 17.91
ATOM	1318	CA	THR A	183	15.570	12.391	13.524	1.00 17.41
ATOM	1319	CB	THR A	183	16.158	12.387	14.941	1.00 17.91
ATOM	1320	OG1	THR A	183	17.508	12.889	14.867	1.00 19.93
ATOM	1321	CG2	THR A	183	16.379	10.952	15.444	1.00 19.10
ATOM	1322	C	THR A		14.216	11.704	13.494	1.00 18.88
ATOM	1323	Ō	THR A		13.253	12.259	14.020	1.00 17.96
ATOM	1324	N	ILE A		14.159	10.521	12.884	1.00 14.76
ATOM	1325	CA	ILE A		12.915	9.770	12.795	1.00 15.33
ATOM	1326	CB	ILE A		12.636	9.313	11.362	1.00 15.60
ATOM	1327	CG1	ILE A		12.620	10.508	10.410	1.00 14.39
	1328	CD1	ILE A		12.371	10.133	8.960	1.00 16.80
ATOM	1329	CG2	ILE A		11.318	8.518	11.307	1.00 18.05
ATOM	1330	C	ILE A		13.050	8.539	13.682	1.00 16.19
ATOM			ILE A		13.965	7.725	13.524	1.00 18.12
ATOM	1331	0			12.106	8.368	14.592	1.00 16.20
ATOM	1332	N	ARG A		12.100	7.159	15.425	1.00 15.84
MOTA	1333	CA	ARG A		12.137	7.551	16.904	1.00 14.71
ATOM	1334	CB	ARG A			8.055	17.326	1.00 14.82
MOTA	1335	CG	ARG A		13.505		18.685	1.00 17.62
ATOM	1336	CD	ARG A		13.468	8.727	19.013	1.00 21.26
ATOM	1337	NE	ARG A		14.822	9.174	18.973	1.00 21.20
MOTA	1338	CZ	ARG A		15.195	10.448		
ATOM	1339		ARG A		14.345			
ATOM	1340	NH2	ARG A		16.422	10.807	19.323	1.00 26.56
ATOM	1341	С	ARG A		10.808	6.386	15.181	1.00 16.96
ATOM	1342	0	ARG A	185	9.775	6.967	14.866	1.00 18.49
ATOM	1343	N	GLU A	186	10.876	5.063	15.330	1.00 18.06
ATOM	1344	CA	GLU A	186	9.653	4.289	15.251	1.00 18.19
ATOM	1345	СВ	GLU A	186	9.729	3.232	14.126	1.00 18.51
ATOM	1346	CG	GLU A		8.354	2.622	13.856	1.00 22.77
ATOM	1347	CD	GLU A		8.367	1.477	12.851	1.00 31.07
ATOM	1348	OE1			7.330	1.279	12.179	1.00 37.68
ATOM	1349	OE2			9.388	0.775	12.730	1.00 33.77
ATOM	1350	C	GLU A		9.452	3.600	16.597	1.00 18.63
ATOM	1351	Ö	GLU A		10.411	3.051	17.142	1.00 19.33
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MOTA	1352	N	PHE A	187	8.223	3.614	17.108	1.00	
ATOM	1353	CA	PHE A	187	7.927	2.978	18.399		18.08
ATOM	1354		PHE A		7.426	4.006	19.415	1.00	18.99
ATOM	1355		PHE A		8.400	5.092	19.715	1.00	19.80
	1356		PHE A		8.155	6.382	19.283	1.00	21.67
ATOM					9.066	7.403	19.559		23.38
ATOM	1357		PHE A			7.106	20.223		20.03
ATOM	1358	CZ	PHE A		10.242				25.29
MOTA	1359		PHE A		10.489	5.828	20.641		
ATOM	1360	CD2	PHE A		9.595	4.819	20.369		22.12
MOTA	1361	С	PHE A	187	6.815	1.954	18.257		19.06
MOTA	1362	0	PHE A	187	5.881	2.161	17.472		18.23
ATOM	1363	N	LYS A		6.898	0.863	19.018		18.39
ATOM	1364	CA	LYS A		5.718	0.006	19.179	1.00	19.84
	1365	CB	LYS A		6.146	-1.466	19.179	1.00	21.30
ATOM			LYS A		4.994	-2.449	19.361		29.28
MOTA	1366	CG			5.549	-3.835	19.650		39.42
MOTA	1367	CD	LYS A				19.312		41.60
MOTA	1368	CE	LYS A		4.535	-4.915			47.94
MOTA	1369	ΝZ	LYS A		5.247	-6.141	18.830		
MOTA	1370	C	LYS A		5.076	0.377	20.513		17.53
ATOM	1371	0	LYS A	188	5.765	0.472	21.511		20.08
ATOM	1372	N	ILE A	189	3.761	0.584	20.551		18.34
ATOM	1373	CA	ILE A	189	3.063	0.924	21.781		18.37
ATOM	1374	СВ	ILE A		2.662	2.409	21.729	1.00	17.71
ATOM	1375		AILE A		2.140	2.932	23.051	0.50	18.61
			BILE A		1.794	2.771	20.521	0.50	19.99
ATOM	1376		AILE A		1.758	4.385	22.938		20.42
ATOM	1377				1.063	4.085	20.730		24.91
MOTA	1378		BILE A				20.750		18.62
MOTA	1379		AILE A		1.579	2.616	21.880		16.15
ATOM	1380	CG2F	BILE A		3.921	3.269			
MOTA	1381	С	ILE A		1.848	-0.013	21.922		17.83
MOTA	1382	0	ILE A	189	1.239	-0.400	20.918		16.89
MOTA	1383	N	CYS A	190	1.567	-0.403	23.165		19.24
ATOM	1384	CA	CYS A	190	0.313	-1.068	23.547		19.00
ATOM	1385	CB	CYS A	190	0.590	-2.542	23.881		17.53
ATOM	1386	SG	CYS A		1.496	-3.470	22.591		25.53
ATOM	1387	C	CYS A		-0.258	-0.402	24.791	1.00	18.76
ATOM	1388	Ö	CYS A		0.428	-0.293	25.789	1.00	18.93
	1389	N	GLY A		-1.534	-0.004	24.757	1.00	18.32
ATOM			GLY A		-2.213	0.527	25.930		20.25
ATOM	1390	CA				-0.202	26.162		20.72
ATOM	1391	C	GLY A			-0.262	25.606		20.46
ATOM	1392	0	GLY A		-3.740				22.42
ATOM	1393	N	GLU A		-4.386	0.359	27.002		24.91
MOTA	1394	CA	GLU A		-5.677	-0.253	27.279		
ATOM	1395	CB	GLU A	192	-6.421	0.585	28.315		23.09
ATOM	1396	CG	GLU A		-7.854	0.111	28.537		29.54
ATOM	1397	CD	GLU A	192	-8.646	0.961	29.512		32.49
ATOM	1398	OE1	GLU A		-8.290	2.150	29.745		31.32
ATOM	1399		GLU A		-9.661	0.426	30.018	1.00	34.67
ATOM	1400	C	GLU A		-6.461	-0.414	25.974	1.00	24.14
	1401	0	GLU A		-6.810	0.567	25.289	1.00	24.16
MOTA		N	GLU A		-6.719	-1.671	25.612		25.67
ATOM	1402				-7.236	-1.978	24.284		26.65
ATOM	1403	CA	GLU A	T 3 3	-1.230	1.910	23.203	1.00	

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ATOM	1404	CB	GLU A	193	-7	.337	-3.489	24.068		28.45
ATOM	1405	CG	GLU A	193		.767	-3.843	22.648		29.15
MOTA	1406	CD	GLU A	193	-7	.780	-5.342	22.405		34.41
ATOM	1407	OE1	GLU A	193	-7	.163	-6.077	23.211		33.00
ATOM	1408	OE2	GLU A	193		.400	- 5.778	21.408		34.70
ATOM	1409	С	GLU A		-8	.598	-1.366	24.010		30.04
ATOM	1410	0	GLU A		-9	.510	-1.555	24.810		29.04
ATOM	1411	N	GLN A	194	-8	.730	-0.635	22.902		28.72
ATOM	1412	CA	GLN A		-10	.054	-0.254	22.417		30.57
ATOM	1413	СВ	GLN A		-10	.349	1.229	22.654		30.30
ATOM	1414	CG	GLN A		-10	.354	1.700	24.097		38.21
ATOM	1415	CD	GLN A		-10	.661	3.192	24.205		45.81
ATOM	1416	OE1			-11	.766	3.629	23.868		47.74
ATOM	1417		GLN A		-9	.682	3.976	24.667	1.00	48.46
ATOM	1418	C	GLN A		-10	.138	-0.612	20.937		30.81
ATOM	1419	Ö	GLN A			.444	-1.762	20.596		31.43
ATOM	1420	N	LEU A		- 9	.843	0.343	20.056		30.77
ATOM	1421	CA	LEU A			.869	0.103	18.620		31.53
ATOM	1422	CB	LEU A			.860	1.419	17.833		32.19
ATOM	1423	CG	LEU A			.132	2.254	17.673	1.00	37.67
ATOM	1424	CD1				.860	3.277	16.579	1.00	33.54
ATOM	1425		LEU A			2.359	1.404	17.322	1.00	36.45
ATOM	1426	C	LEU A			.692	-0.729	18.144	1.00	31.71
ATOM	1427	Ö	LEU A			3.796	-1.454	17.159	1.00	32.54
	1428	N	ASP A			.554	-0.607	18.821	1.00	29.57
ATOM	1429	CA	ASP A			5.442	-1.492	18.533	1.00	28.34
ATOM ATOM	1430	СВ	ASP A			5.424	-0.868	17.558	1.00	26.58
ATOM	1431	CG	ASP A			1.815	0.420	18.063	1.00	27.01
ATOM	1432		ASP A			5.145	0.869	19.183	1.00	27.13
MOTA	1433		ASP A			3.989	1.049	17.375		25.88
ATOM	1433	C	ASP A			5.791	-2.008	19.815	1.00	27.72
MOTA	1435	Ö	ASP A			5.099	-1.550	20.915	1.00	26.99
ATOM	1436	N	ALA A			1.912	-2.989	19.653	1.00	26.66
MOTA	1437	CA	ALA A			1.279	-3.646	20.792		26.48
ATOM	1438	CB	ALA A			1.557	-5.145	20.748		27.66
ATOM	1439	C	ALA A			2.774	-3.400	20.744	1.00	24.78
ATOM	1440	0	ALA A			2.122	-3.483	21.779		26.10
ATOM	1441	N	HIS F			2.237	-3.062	19.573		23.60
ATOM	1442	CA	HIS A			0.811	-2.715	19.465		24.08
ATOM	1443	CB	HIS A			0.098	-3.951	19.353		26.63
ATOM	1444	CG	HIS A			0.227	-4.848	18.198	1.00	31.90
ATOM	1445		HIS A			1.094	-5.914	18.300		40.11
ATOM	1446		HIS A			1.186	-6.519	17.128	1.00	38.77
ATOM	1447		HIS A			0.406	-5.886	16.271	1.00	43.28
	1448		HIS			0.215	-4.844	16.918	1.00	33.37
ATOM	1449	CDZ	HIS A			0.679	-1.841	18.217		22.55
ATOM		0	HIS A			1.523	-1.964	17.329		24.31
ATOM	1450	N	ARG A			0.343	-0.980	18.167	1.00	20.23
MOTA	1451	CA	ARG A			0.416	0.062	17.138		18.98
ATOM	1452		ARG A			0.341	1.295	17.651		17.45
ATOM	1453	CB	ARG A			0.566	2.347	16.560		19.76
ATOM	1454	CG		199		1.165	3.621	17.129		19.36
MOTA	1455	CD	AKG A	1 122	_	00	3.021			

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ATOM	1456	NE	ARG .	Α	199	-2.420	3.326	17.842	1.00	
ATOM	1457	CZ	ARG .	Α	199	-2.944	4.092	18.798		18.52
ATOM	1458	NH1	ARG .	Α	199	-2.381	5.247	19.087		17.08
MOTA	1459	NH2	ARG .			-4.066	3.733	19.428		19.74
MOTA	1460	С	ARG	Α	199	1.858	0.488	16.894		19.23
ATOM	1461	0	ARG	Α	199	2.642	0.507	17.836		20.70
ATOM	1462	N	LEU	Α	200	2.183	0.809	15.639		19.23
ATOM	1463	CA	LEU	Α	200	3.472	1.424	15.309		21.60
ATOM	1464	СВ	LEU	Α	200	4.021	0.867	13.984		22.49
ATOM	1465	CG	LEU	Α	200	4.201	-0.647	13.999		27.67
ATOM	1466	CD1	LEU	Α	200	4.779	-1.119	12.672		28.09
ATOM	1467		LEU			5.160	-1.011	15.130		28.54
ATOM	1468	С	LEU			3.225	2.920	15.166		21.95
ATOM	1469	0	LEU			2.245	3.324	14.521		24.40
ATOM	1470	N	ILE			4.088	3.707	15.798		19.67
ATOM	1471	CA	ILE			4.022	5.165	15.845		22.82
ATOM	1472	СВ	ILE			4.095	5.679	17.309		24.19
ATOM	1473	CG1	ILE			2.877	5.227	18.090		31.22
ATOM	1474	CD1	ILE			1.753	4.981	17.178	1.00	26.82
ATOM	1475	CG2				4.104	7.245	17.358	1.00	27.78
ATOM	1476	C	ILE			5.295	5.667	15.190		20.99
ATOM	1477	Ö	ILE			6.374	5.155	15.492		21.91
ATOM	1478	N	ARG			5.216	6.709	14.376	1.00	19.22
ATOM	1479	CA	ARG			6.473	7.346	13.949	1.00	18.14
ATOM	1480	CB	ARG			6.517	7.524	12.440	1.00	19.80
ATOM	1481	CG	ARG			6.696	6.213	11.693	1.00	25.47
ATOM	1482	CD	ARG			7.194	6.457	10.291	1.00	32.91
ATOM	1483	NE	ARG			7.555	5.237	9.577	1.00	38.14
MOTA	1484	CZ	ARG			8.719	4.609	9.709		43.78
ATOM	1485	NH1				9.646	5.051	10.552	1.00	42.73
ATOM	1486	NH2				8.964	3.520	8.994	1.00	45.94
ATOM	1487	C	ARG			6.600	8.705	14.639	1.00	18.39
ATOM	1488	Ö	ARG			5.591	9.334	14.917	1.00	19.31
ATOM	1489	N			203	7.829	9.072	14.982	1.00	17.24
ATOM	1490	CA			203	8.142	10.319	15.694	1.00	16.77
ATOM	1491	CB			203	8.729	9.943	17.068		16.74
ATOM	1492	CG			203	8.980	11.095	17.996	1.00	17.60
ATOM	1493	ND1			203	10.173	11.794	18.011	1.00	18.12
ATOM	1494		HIS			10.133	12.706	18.970		17.49
ATOM	1495		HIS			8.946	12.647	19.552		17.63
ATOM	1496		HIS			8.221	11.629	18.985	1.00	18.26
ATOM	1497	C			203	9.178	11.090	14.880	1.00	16.45
ATOM	1498	Ö			203	10.257	10.574	14.537	1.00	16.92
	1499	N			204	8.811	12.326	14.542	1.00	17.22
ATOM	1500	CA			204	9.613	13.165	13.656	1.00	17.63
ATOM	1501	CB			204	8.780	13.662	12.478		17.15
ATOM	1501	CG			204	8.211	12.569	11.663		19.02
ATOM			PHE			6.914	12.146	11.891		17.04
ATOM	1503	CE1				6.350	11.116	11.141		18.50
MOTA	1504	CZ			204	7.075	10.508	10.152		21.34
ATOM	1505		PHE			8.386	10.932	9.889		22.09
MOTA	1506		PHE			8.952	11.967	10.652		20.96
MOTA	1507	CDZ	. LUD	м	204	0.552				

ATOM	1508	С	PHE A	204	10.142	14.333	14.466	1.00 18.46
ATOM	1509	0	PHE A		9.382	15.198	14.850	1.00 19.13
ATOM	1510	N	HIS A		11.448	14.343	14.733	1.00 19.90
ATOM	1511	CA	HIS A		12.021	15.321	15.644	1.00 19.54
ATOM	1512	СВ	HIS A		12.825	14.610	16.716	1.00 21.35
	1513	CG	HIS A		13.401	15.519	17.747	1.00 19.20
MOTA	1513		HIS A		14.407	15.127	18.610	1.00 24.56
ATOM	1515		HIS A		14.724	16.142	19.394	1.00 21.30
ATOM	1516		HIS A		13.962	17.173	19.071	1.00 21.10
ATOM			HIS A		13.130	16.813	18.036	1.00 19.44
ATOM	1517		HIS A		12.960	16.220	14.846	1.00 19.88
ATOM	1518 1519	C 0	HIS A		14.049	15.775	14.443	1.00 18.91
ATOM			TYR A		12.504	17.456	14.670	1.00 18.79
MOTA	1520	N			13.205	18.483	13.897	1.00 18.49
ATOM	1521	CA	TYR A		12.172	19.409	13.287	1.00 19.17
ATOM	1522	CB	TYR A		12.754	20.435	12.354	1.00 19.28
MOTA	1523	CG	TYR A		13.004	20.115	11.023	1.00 16.50
MOTA	1524	CD1	TYR A			21.052	10.141	1.00 17.88
MOTA	1525	CE1	TYR A		13.540	22.327	10.588	1.00 22.43
ATOM	1526	CZ	TYR A		13.831	23.270	9.715	1.00 25.31
ATOM	1527	OH	TYR A		14.365	22.666	11.904	1.00 23.08
ATOM	1528	CE2	TYR A		13.594	21.711	12.794	1.00 23.33
ATOM	1529	CD2	TYR A		13.061		14.900	1.00 20.26
ATOM	1530	С	TYR A		14.064	19.229 19.732	15.911	1.00 20.20
MOTA	1531	0	TYR A		13.578		14.661	1.00 13.73
ATOM	1532	N	THR A		15.368	19.199	15.717	1.00 21.04
MOTA	1533	CA	THR A		16.318	19.479		1.00 23.14
MOTA	1534	СВ	THR A		17.403	18.361	15.771	1.00 23.14
MOTA	1535	OG1			17.900	18.102	14.449	1.00 24.37
MOTA	1536	CG2			16.813	17.010	16.198	1.00 23.43
ATOM	1537	С	THR A		17.005	20.826	15.501 16.291	1.00 24.00
MOTA	1538	0	THR A		17.894	21.182		1.00 20.32
MOTA	1539	N	VAL A		16.588	21.554	14.473	1.00 24.44
MOTA	1540	CA	VAL A		17.279	22.769	14.010	1.00 24.93
MOTA	1541	CB	VAL A		17.996	22.597	12.627	1.00 24.93
MOTA	1542	CG1			19.123	21.595	12.712	1.00 27.01
MOTA	1543		VAL A		17.022	22.243	11.490	1.00 27.01
MOTA	1544	С	VAL A		16.420	24.039	14.032	1.00 20.34
ATOM	1545	0	VAL A		16.647	24.972	13.252	1.00 25.54
MOTA	1546	N	TRP A		15.419	24.083	14.903	1.00 23.34
MOTA	1547	CA	TRP A		14.534	25.244	14.967	1.00 24.37
MOTA	1548	CB	TRP A		13.080	24.768	14.863	1.00 23.73
ATOM	1549	CG	TRP A		12.082	25.820	14.491	1.00 19.87
MOTA	1550	CD1			12.153	27.174	14.694	
ATOM	1551	NE1			11.034	27.786	14.183	1.00 19.81
ATOM	1552	CE2			10.202	26.822	13.663	1.00 25.00
MOTA	1553	CD2			10.834	25.575	13.847	1.00 22.65
ATOM	1554	CE3			10.185	24.414	13.399	1.00 23.01
ATOM	1555	CZ3			8.951	24.531	12.793	1.00 19.01
MOTA	1556	CH2			8.354	25.789	12.609	1.00 24.83
ATOM	1557	CZ2			8.950	26.940	13.068	1.00 22.36
MOTA	1558	С	TRP A		14.678	26.021	16.270	1.00 27.04
MOTA	1559	0	TRP A	209	14.201	25.567	17.313	1.00 25.79

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MOTA	1560	N	PRO A	A 2	210	15.303	27.198	16.230	1.00	
ATOM	1561	CA	PRO A	A 2	210	15.452	28.000	17.454	1.00	
ATOM	1562	CB	PRO A	Α 2	210	16.386	29.140	17.022	1.00	
ATOM	1563	CG	PRO I	A 2	210	16.944	28.740	15.657		31.17
ATOM	1564	CD	PRO I	A :	210	15.880	27.869	15.050		27.52
ATOM	1565	C	PRO Z			14.111	28.519	17.998		28.48
ATOM	1566	0	PRO 2			13.268	28.944	17.216		28.98
ATOM	1567	N	ASP			13.932	28.464	19.319		28.19
ATOM	1568	CA	ASP .			12.736	28.971	19.993		26.86
ATOM	1569	CB	ASP			12.808	28.792	21.508	1.00	27.24
ATOM	1570	CG	ASP .			11.451	28.935	22.177	1.00	26.06
	1571		ASP .			10.461	29.156	21.452	1.00	26.31
ATOM	1572		ASP			11.288	28.849	23.413	1.00	29.60
MOTA	1573	C	ASP			12.585	30.448	19.661	1.00	28.25
ATOM	1574	0	ASP			13.577	31.180	19.556	1.00	26.45
ATOM		N	HIS			11.348	30.872	19.435	1.00	25.98
ATOM	1575		HIS			11.107	32.260	19.072		28.34
ATOM	1576	CA	HIS			11.743	33.153	20.145		29.66
MOTA	1577	CB	HIS			11.743	34.492	20.283		36.64
MOTA	1578	CG	HIS			9.878	34.669	20.908		42.47
ATOM	1579		HIS			9.553	35.951	20.875		42.76
MOTA	1580					10.521	36.612	20.265		42.04
MOTA	1581		HIS			11.501	35.724	19.892		41.28
MOTA	1582	CD2				11.611	32.640	17.680		28.91
ATOM	1583	С	HIS			11.494	33.799	17.275		30.92
MOTA	1584	0	HIS			12.144	31.676	16.936		27.80
MOTA	1585	N	GLY				31.971	15.650		25.99
ATOM	1586	CA	GLY			12.751	31.153	14.511		26.04
MOTA	1587	С	GLY			12.192	30.640	14.565		24.20
MOTA	1588	0	GLY			11.068	31.066	13.470		26.25
MOTA	1589	N	VAL			13.012	30.274	12.296		26.25
MOTA	1590	CA	VAL			12.724		11.158		27.10
MOTA	1591	СВ	VAL			12.213	31.170	11.150		27.24
MOTA	1592	CG1				11.042	32.016	10.628		28.86
MOTA	1593	CG2				13.347	32.040	11.855		24.52
ATOM	1594	С	VAL			13.949	29.498	12.167		24.97
ATOM	1595	0	VAL			15.095	29.866			25.64
MOTA	1596	N	PRO			13.711	28.392	11.152 10.526		25.48
MOTA	1597	CA	PRO			14.793	27.622 26.573	9.706		26.92
MOTA	1598	CB	PRO			14.042				26.03
MOTA	1599	CG	PRO			12.732	26.418	10.434 10.901		24.12
ATOM	1600	CD	PRO			12.380	27.805	9.612		27.43
ATOM	1601	С	PRO			15.609	28.518			27.22
ATOM	1602	0	PRO			15.121	29.554	9.158		28.05
ATOM	1603	N	GLU			16.841	28.111	9.315		
MOTA	1604	CA	GLU			17.721	28.985	8.553		28.65
ATOM	1605	CB	GLU			19.161	28.486	8.661		30.42
ATOM	1606	CG	GLU			19.771	28.747	10.023		35.56
ATOM	1607	CD	GLU			21.219	29.169	9.904		42.95
ATOM	1608	OE1				21.795	28.954	8.814		48.84
ATOM	1609	OE2	GLU			21.765	29.715	10.889		45.41
ATOM	1610	С			216	17.315	29.114	7.087		27.95
ATOM	1611	0	GLU	A	216	17.649	30.113	6.448	1.00	27.93

MOTA	1612	N	THR A	217	16.652	28.099	6.537	1.00 25.57
ATOM	1613	CA	THR A	217	16.183	28.168	5.158	1.00 24.50
ATOM	1614	CB	THR A	217	16.913	27.146	4.270	1.00 23.44
ATOM	1615	OG1	THR A	217	16.712	25.831	4.821	1.00 23.33
ATOM	1616	CG2	THR A	217	18.430	27.370	4.323	1.00 25.77
ATOM	1617	С	THR A	217	14.697	27.816	5.082	1.00 22.97
ATOM	1618	0	THR A		14.161	27.138	5.964	1.00 23.20
ATOM	1619	N	THR A		14.037	28.246	4.013	1.00 22.43
ATOM	1620	CA	THR A		12.685	27.753	3.753	1.00 21.86
ATOM	1621	СВ	THR A		12.003	28.563	2.637	1.00 22.40
ATOM	1622	OG1	THR A		12.807	28.503	1.448	1.00 23.58
ATOM	1623	CG2	THR A		11.911	30.047	3.006	1.00 25.57
ATOM	1624	C	THR A		12.759	26.291	3.315	1.00 21.64
ATOM	1625	Ö	THR A		11.897	25.483	3.667	1.00 21.31
	1626	N	GLN A		13.802	25.938	2.562	1.00 21.89
ATOM	1627	CA	GLN A		13.850	24.607	1.967	1.00 22.98
ATOM	1628	CB	GLN A		15.019	24.424	0.995	1.00 25.47
ATOM			GLN A		16.336	23.998	1.575	1.00 35.80
ATOM	1629	CG CD	GLN A		16.446	22.483	1.671	1.00 42.19
ATOM	1630		GLN A		17.144	21.962	2.541	1.00 48.46
ATOM	1631	OE1	GLN A		15.751	21.777	0.785	1.00 48.31
ATOM	1632	NE2	GLN A		13.731	23.550	3.060	1.00 22.41
ATOM	1633	C			13.031	22.523	2.872	1.00 21.59
ATOM	1634	0	GLN A		14.509	23.809	4.180	1.00 22.02
ATOM	1635	N	SER A			22.828	5.260	1.00 21.83
ATOM	1636	CA	SER A		14.554	23.348	6.442	1.00 24.24
MOTA	1637	CB	SER A		15.367		7.489	1.00 24.24
MOTA	1638	OG	SER A		15.366	22.396	5.785	1.00 20.00
ATOM	1639	С	SER A		13.157	22.477 21.309	5.802	1.00 20.80
ATOM	1640	0	SER A		12.768		6.251	1.00 20.00
ATOM	1641	N	LEU A		12.441	23.489	6.787	1.00 21.03
ATOM	1642	CA	LEU A		11.111	23.186	7.708	1.00 21.03
MOTA	1643	CB	LEU A		10.579	24.281	8.562	1.00 22.37
ATOM	1644	CG	LEU A		9.389	23.815		1.00 22.37
ATOM	1645	CD1	LEU A		9.934	22.943	9.698	1.00 22.41
MOTA	1646	CD2	LEU A		8.700	25.049	9.117	1.00 21.13
ATOM	1647	C	LEU A		10.114	22.722	5.737	1.00 21.34
MOTA	1648	0	LEU A		9.317	21.822	6.010 4.524	1.00 19.33
MOTA	1649	N		222	10.165	23.274	3.456	1.00 17.11
MOTA	1650	CA		222	9.335	22.740	2.130	1.00 17.34
ATOM	1651	CB	ILE A		9.569	23.524		1.00 17.12
MOTA	1652	CG1			9.065	24.974	2.276	1.00 19.30
ATOM	1653	CD1			9.548	25.933	1.171	1.00 19.49
ATOM	1654	CG2			8.921	22.783	0.968	1.00 21.07
ATOM	1655	С	ILE A		9.601	21.260	3.217	
ATOM	1656	0	ILE A		8.673	20.485	3.025	1.00 19.95
ATOM	1657	N	GLN A		10.869	20.854	3.207	1.00 16.23
MOTA	1658	CA	GLN A		11.123	19.449	2.988	1.00 18.60
ATOM	1659	CB	GLN A		12.616	19.228	2.715	1.00 19.15
ATOM	1660	CG	GLN A		12.941	17.766	2.467	1.00 22.79
ATOM	1661	CD	GLN A		12.643	17.290	1.061	1.00 33.15
ATOM	1662		GLN A		12.155	18.051	0.211	1.00 33.66
ATOM	1663	NE2	GLN A	. 223	12.917	16.006	0.817	1.00 35.76

ATOM	1664	С	GLN A	223	10.657	18.623	4.188	1.00 16.93
ATOM	1665	0	GLN A	223	10.199	17.502	3.988	1.00 18.36
ATOM	1666	N	PHE P	224	10.797	19.161	5.401	1.00 15.46
ATOM	1667	CA	PHE P	224	10.363	18.423	6.587	1.00 15.62
ATOM	1668	СВ	PHE F		10.706	19.198	7.848	1.00 17.10
ATOM	1669	CG	PHE P		10.337	18.487	9.120	1.00 16.49
ATOM	1670	CD1	PHE F		10.836	17.215	9.398	1.00 17.51
ATOM	1671	CE1	PHE F		10.531	16.576	10.616	1.00 17.07
ATOM	1672	CZ	PHE P		9.717	17.205	11.544	1.00 16.55
	1673		PHE P		9.212	18.492	11.279	1.00 18.07
ATOM			PHE A		9.544	19.125	10.054	1.00 19.46
ATOM	1674		PHE A		8.855	18.199	6.531	1.00 16.89
ATOM	1675	C				17.078	6.751	1.00 16.66
ATOM	1676	0	PHE A		8.380	19.270	6.265	1.00 17.58
MOTA	1677	N	VAL A		8.122		6.213	1.00 17.30
MOTA	1678	CA	VAL A		6.654	19.197		1.00 10.40
MOTA	1679	СВ	VAL A		6.084	20.603	5.951	
ATOM	1680		VAL A		4.635	20.522	5.473	1.00 20.27
ATOM	1681		VAL A		6.211	21.475	7.199	1.00 17.11
MOTA	1682	С	VAL A		6.241	18.203	5.122	1.00 19.13
MOTA	1683	Ο	VAL A		5.402	17.311	5.312	1.00 21.63
MOTA	1684	N	ARG A	226	6.829	18.331	3.941	1.00 19.30
ATOM	1685	CA	ARG A	226	6.514	17.393	2.871	1.00 20.41
MOTA	1686	CB	ARG A	226	7.276	17.776	1.594	1.00 20.66
ATOM	1687	CG	ARG A	226	6.656	18.990	0.916	1.00 22.30
MOTA	1688	CD	ARG A	226	7.410	19.483	-0.302	1.00 24.61
ATOM	1689	NE	ARG A		6.694	20.558	-0.983	1.00 24.83
ATOM	1690	CZ	ARG A		7.223	21.308	-1.948	1.00 31.14
ATOM	1691		ARG A		8.489	21.146	-2.306	1.00 30.48
ATOM	1692	NH2			6.500	22.253	-2.526	1.00 34.90
ATOM	1693	С	ARG A		6.797	15.932	3.234	1.00 20.34
ATOM	1694	Ö	ARG A		6.060	15.004	2.879	1.00 19.67
ATOM	1695	N		A 227	7.910	15.717	3.920	1.00 19.65
ATOM	1696	CA		A 227	8.323	14.388	4.338	1.00 20.52
ATOM	1697	CB		227	9.715	14.485	4.977	1.00 22.22
	1698	OG1		A 227	10.673	14.679	3.930	1.00 22.33
ATOM		CG2		A 227	10.110	13.143	5.586	1.00 24.52
ATOM	1699			A 227	7.310	13.786	5.339	1.00 20.30
ATOM	1700	С			6.886	12.642	5.191	1.00 20.93
ATOM	1701	0		A 227	6.918	14.576	6.335	1.00 19.24
ATOM	1702	N	VAL A				7.348	1.00 19.59
ATOM	1703	CA	VAL A		5.954	14.152 15.216	8.430	1.00 19.58
ATOM	1704	CB		A 228	5.778			1.00 19.50
ATOM	1705		VAL A		4.631	14.832	9.353	1.00 20.01
MOTA	1706		VAL A		7.077	15.408	9.206	
MOTA	1707	С		A 228	4.609	13.877	6.690	1.00 21.77
MOTA	1708	0		A 228	4.013	12.844	6.938	1.00 21.18
MOTA	1709	N		A 229	4.183	14.774	5.805	1.00 22.98
MOTA	1710	CA		A 229	2.866	14.626	5.179	1.00 25.81
MOTA	1711	CB		A 229	2.546	15.904	4.402	1.00 23.29
MOTA	1712	CG		A 229	1.423	15.881	3.384	1.00 28.30
MOTA	1713	CD		A 229	0.053	15.877	3.972	1.00 30.57
MOTA	1714	NE	ARG A	A 229	-0.051	16.615	5.222	1.00 30.38
ATOM	1715	CZ	ARG A	A 229	-0.925	16.290	6.160	1.00 29.65

MOTA	1716	NH1	ARG	Α	229	-1.763	15.279		1.00 32.05
MOTA	1717	NH2	ARG	Α	229	-0.987	16.980	7.291	1.00 29.06
ATOM	1718	С	ARG	Α	229	2.879	13.378	4.301	1.00 26.73
ATOM	1719	0	ARG	Α	229	1.879	12.653	4.242	1.00 27.86
ATOM	1720	N	ASP			4.015	13.108		1.00 26.22
ATOM	1721	CA	ASP			4.251	11.866		1.00 28.24
ATOM	1722	СВ	ASP			5.621	11.877		1.00 28.67
ATOM	1723	CG	ASP			5.654	12.720		1.00 34.01
ATOM	1723		ASP			4.609	13.162		1.00 39.53
ATOM	1725		ASP			6.727	13.102		1.00 41.90
	1726	C	ASP			4.071	10.598		1.00 29.04
ATOM			ASP			3.401	9.645		1.00 29.94
ATOM	1727	0					10.592		1.00 25.95
ATOM	1728	N	TYR			4.625			
MOTA	1729	CA	TYR			4.433	9.452		1.00 26.50
ATOM	1730	CB	TYR			5.319	9.550		1.00 26.14
MOTA	1731	CG	TYR			6.748	9.078		1.00 23.97
MOTA	1732	CD1	TYR			7.774	9.978		1.00 19.78
ATOM	1733	CE1	TYR			9.081	9.547		1.00 22.19
MOTA	1734	CZ	TYR			9.390	8.211		1.00 23.00
MOTA	1735	OH	TYR			10.701	7.787		1.00 28.03
MOTA	1736	CE2	TYR			8.401	7.304		1.00 27.25
ATOM	1737	CD2	TYR			7.086	7.736		1.00 25.16
MOTA	1738	С	TYR			2.970	9.323		1.00 27.31
MOTA	1739	0	TYR	A	231	2.446	8.209		1.00 28.55
MOTA	1740	N	ILE	Α	232	2.347	10.443	6.652	1.00 26.87
MOTA	1741	CA	ILE	A	232	0.914	10.502	6.996	1.00 27.98
ATOM	1742	CB	ILE	Α	232	0.491	11.959		1.00 25.62
MOTA	1743	CG1	ILE	Α	232	1.038	12.361	8.727	1.00 26.35
ATOM	1744	CD1	ILE	Α	232	0.938	13.838	8.996	1.00 27.73
MOTA	1745	CG2	ILE	A	232	-1.058	12.159	7.424	1.00 25.67
ATOM	1746	С	ILE	Α	232	0.046	9.935	5.875	1.00 32.06
MOTA	1747	0	ILE	Α	232	-0.767	9.022	6.107	1.00 33.57
ATOM	1748	N	ASN			0.245	10.451	4.663	1.00 33.34
ATOM	1749	CA	ASN			-0.580	10.101	3.509	1.00 37.27
ATOM	1750	СВ	ASN			-0.320	11.037		1.00 36.54
ATOM	1751	CG	ASN			-0.932	12.425		1.00 38.15
ATOM	1752		ASN			-1.648	12.712		1.00 42.42
ATOM	1753		ASN			-0.630	13.309		1.00 37.50
ATOM	1754	C	ASN			-0.429	8.635		1.00 39.12
ATOM	1755	0	ASN			-1.332	8.073		1.00 41.73
ATOM	1756	N	ARG			0.690	8.001		1.00 40.44
ATOM	1757	CA	ARG			0.962	6.653		1.00 42.23
ATOM	1758	CB	ARG			2.455	6.462		1.00 43.61
ATOM	1759	CG	ARG			2.949	7.205		1.00 43.04
			ARG			4.330	6.793		1.00 48.69
MOTA	1760 1761	CD	ARG			5.341	6.796		1.00 51.23
MOTA		NE CZ					7.724		1.00 51.25
MOTA	1762	CZ	ARG			6.283			1.00 52.70
ATOM	1763		ARG			6.365	8.748		
ATOM	1764		ARG			7.144	7.630		1.00 51.22
ATOM	1765	C	ARG			0.400	5.566		1.00 42.06
ATOM	1766	0	ARG			0.337	4.379		1.00 42.43
ATOM	1767	N	SER	A	235	-0.055	6.003	5.031	1.00 40.54

ATOM	1768	CA	SER A	235	-0.488	5.108	6.087	1.00 39.57
ATOM	1769	CB	SER A	235	-0.193	5.750	7.451	1.00 39.71
ATOM	1770	OG	SER A	235	-1.211	5.554	8.422	1.00 41.17
ATOM	1771	С	SER A	235	-1.964	4.744	5.925	1.00 38.09
ATOM	1772	0	SER A	235	-2.799	5.592	5.590	1.00 36.22
ATOM	1773	N	PRO A	236	-2.278	3.477	6.177	1.00 38.34
ATOM	1774	CA	PRO A		-3.661	2.979	6.083	1.00 39.35
ATOM	1775	CB	PRO A		-3.537	1.499	6.461	1.00 40.18
ATOM	1776	CG	PRO A		-2.214	1.375	7.150	1.00 39.24
ATOM	1777	CD	PRO A		-1.322	2.425	6.563	1.00 38.58
ATOM	1778	C	PRO A		-4.678	3.691	6.987	1.00 39.63
ATOM	1779	0	PRO A		- 5.889	3.488	6.852	1.00 42.61
ATOM	1780	N	GLY A		-4.208	4.544	7.889	1.00 36.88
ATOM	1781	CA	GLY A		-5.069	5.079	8.938	1.00 34.20
ATOM	1782	С	GLY A		-4.178	5.738	9.970	1.00 30.76
ATOM	1783	0	GLY A		-3.532	5.037	10.733	1.00 29.45
ATOM	1784	N	ALA A		-4.150	7.071	9.986	1.00 28.97
ATOM	1785	CA	ALA A		-3.119	7.844	10.698	1.00 24.56
ATOM	1786	CB	ALA A		-2.656	9.019	9.834	1.00 27.03
ATOM	1787	C	ALA A		-3.564	8.342	12.077	1.00 23.45
ATOM	1788	0	ALA A		-2.759	8.476	12.986	1.00 21.78
ATOM	1789	N	GLY A		-4.853	8.620	12.242	1.00 21.70
ATOM	1790	CA	GLY A		-5.342	9.313	13.423	1.00 21.30
ATOM	1791	C	GLY A		-4.903	10.766	13.366	1.00 19.24
ATOM	1792	Ō	GLY A		-4.282	11.186	12.388	1.00 18.48
ATOM	1793	N	PRO A		-5.233	11.526	14.405	1.00 20.05
ATOM	1794	CA	PRO A		-4.740	12.907	14.530	1.00 19.68
ATOM	1795	СВ	PRO A		-5.327	13.390	15.861	1.00 18.80
ATOM	1796	CG	PRO A		-6.393	12.393	16.247	1.00 21.11
ATOM	1797	CD	PRO A		-6.041	11.103	15.562	1.00 20.23
ATOM	1798	С	PRO A		-3.213	12.834	14.624	1.00 18.33
ATOM	1799	0	PRO A		-2.661	11.864	15.141	1.00 19.27
ATOM	1800	N	THR A		-2.548	13.832	14.071	1.00 16.60
ATOM	1801	CA	THR A	241	-1.090	13.930	14.185	1.00 15.99
ATOM	1802	CB	THR A		-0.593	14.614	12.919	1.00 15.63
ATOM	1803	OG1	THR A	241	-0.797	13.696	11.849	1.00 17.20
ATOM	1804	CG2	THR A	241	0.941	14.788	12.984	1.00 15.00
ATOM	1805	С	THR A	241	-0.829	14.832	15.367	1.00 16.75
ATOM	1806	0	THR A	241	-1.343	15.938	15.418	1.00 17.15
ATOM	1807	N	VAL A		0.031	14.387	16.274	1.00 16.56
ATOM	1808	CA	VAL A		0.370	15.207	17.413	1.00 15.30
ATOM	1809	СВ	VAL A		0.777	14.315	18.586	1.00 13.91
ATOM	1810	CG1	VAL A		1.584	15.122	19.651	1.00 17.96
ATOM	1811		VAL A		-0.473	13.828	19.205	1.00 14.74
ATOM	1812	С	VAL A		1.537	16.089	17.002	1.00 15.85
ATOM	1813	0	VAL A		2.491	15.610	16.401	1.00 17.01
ATOM	1814	N	VAL A		1.421	17.375	17.295	1.00 15.52
ATOM	1815	CA	VAL A		2.525	18.289	17.027	1.00 15.21
ATOM	1816	СВ	VAL A		2.223	19.311	15.915	1.00 13.92
ATOM	1817		VAL A		3.540	20.039	15.607	1.00 15.53
ATOM	1818		VAL A		1.710	18.648	14.624	1.00 15.61
ATOM	1819	C	VAL A		2.848	19.042	18.309	1.00 13.38
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MOTA	1820	0	VAL			1.977	19.511	19.006	1.00	
MOTA	1821	N	HIS	Α	244	4.127	19.115	18.681		13.84
MOTA	1822	CA	HIS	Α	244	4.487	19.880	19.875		13.12
ATOM	1823	СВ	HIS	Α	244	4.399	19.034	21.167		11.87
ATOM	1824	CG	HIS	Α	244	5.560	18.115	21.377		15.41
ATOM	1825		HIS			6.728	18.524	21.977	1.00	16.81
ATOM	1826		HIS			7.566	17.503	22.042	1.00	16.27
ATOM	1827		HIS			6.998	16.461	21.463	1.00	16.52
ATOM	1828		HIS			5.726	16.808	21.067	1.00	14.38
	1829	C	HIS			5.856	20.526	19.735	1.00	14.17
ATOM	1830	0	HIS			6.688	20.046	18.970	1.00	16.93
MOTA	1831	N	CYS			6.041	21.611	20.492	1.00	16.57
MOTA			CYS			7.349	22.211	20.652		17.05
ATOM	1832	CA	CYS			7.396	23.573	19.941		15.83
ATOM	1833	CB	CYS			5.834	24.486	20.086		19.56
ATOM	1834	SG	CYS			7.521	22.283	22.151		17.57
ATOM	1835	C				7.321	21.246	22.839		17.79
ATOM	1836	0			245		23.464	22.693		18.50
ATOM	1837	N			246	7.815	23.554	24.159		16.87
ATOM	1838	CA			246	7.937	24.552	24.133	1.00	
ATOM	1839	CB			246	9.020	24.332	26.031		18.18
MOTA	1840	OG			246	9.228		24.722		17.49
ATOM	1841	С			246	6.573	23.942			17.45
MOTA	1842	0			246	6.046	23.238	25.580		18.04
MOTA	1843	N			247	6.019	25.049	24.239		
MOTA	1844	CA			247	4.736	25.497	24.749		19.26
MOTA	1845	CB			247	4.710	27.036	24.838	1.00	
MOTA	1846	С	ALA	Α	247	3.573	25.010	23.903		17.94
ATOM	1847	0	ALA	Α	247	2.430	25.177	24.309		19.75
MOTA	1848	N	GLY	Α	248	3.848	24.439	22.729		20.22
ATOM	1849	CA			248	2.806	24.174	21.748		18.63
ATOM	1850	С	GLY	Α	248	2.132	25.433	21.196		18.85
ATOM	1851	0	GLY	Α	248	0.898	25.475	21.017		19.05
ATOM	1852	N	VAL	Α	249	2.954	26.427	20.867		17.12
MOTA	1853	CA	VAL	Α	249	2.463	27.715	20.358		16.65
MOTA	1854	СВ	VAL	Α	249	2.562	28.810	21.445		18.34
ATOM	1855	CG1	VAL	Α	249	2.075	30.142	20.845		21.79
MOTA	1856	CG2	VAL	Α	249	1.744	28.426	22.662		20.69
ATOM	1857	С		Α	249	3.164	28.180	19.070		17.87
ATOM	1858	0			249	2.543	28.251	18.008		17.85
ATOM	1859	N			250	4.453	28.487	19.140		19.22
ATOM	1860	CA			250	5.039	29.253	18.055		19.94
ATOM	1861	С			250	5.491	28.321	16.963	1.00	19.70
ATOM	1862	Ö			250	5.086	28.456	15.808	1.00	19.01
ATOM	1863	N			251	6.366	27.389	17.335	1.00	19.14
	1864	CA			251	6.939	26.498	16.347	1.00	19.05
ATOM	1865	CB			251	8.195	25.860	16.890		19.24
ATOM	1866	CG			251	9.219	26.952	17.158		15.81
MOTA		CD			251	10.481	26.394	17.775		16.06
MOTA	1867				251	10.226	26.200	19.214		19.50
MOTA	1868	NE CZ			251	11.094	25.704	20.078		22.30
MOTA	1869	CZ				12.290	25.314	19.644		20.21
ATOM	1870		ARG			10.758	25.569	21.366		23.16
MOTA	1871	NHZ	ARG	H	231	10.750	20.000	22.000	_,,,,	

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ATOM	1872	C Z	ARG A	251	5.901	25.497	15.876	1.00 18.56
MOTA	1873		ARG A		5.813	25.250	14.680	1.00 17.43
ATOM	1874	N '	THR A	252	5.111	24.941	16.794	1.00 18.19
ATOM	1875		THR A		3.982	24.106	16.377	1.00 17.71
ATOM	1876		THR A		3.217	23.628	17.607	1.00 17.40
ATOM	1877		THR A		2.999	24.765	18.450	0.50 23.23
ATOM	1878		THR A		4.029	22.684	18.306	0.50 13.92
ATOM	1879		THR A		4.083	22.722	18.434	0.50 15.60
ATOM	1880		THR A		1.947	22.833	17.252	0.50 10.20
ATOM	1881		THR A		3.019	24.851	15.484	1.00 17.17
	1882		THR A		2.600	24.297	14.475	1.00 15.23
ATOM			GLY A		2.661	26.092	15.832	1.00 16.60
ATOM	1883		GLY A		1.745	26.853	14.990	1.00 16.77
ATOM	1884		GLY A		2.300	27.075	13.599	1.00 17.58
ATOM	1885				1.597	26.966	12.604	1.00 16.20
ATOM	1886		GLY A		3.608	27.343	13.507	1.00 15.25
MOTA	1887		THR A			27.626	12.216	1.00 14.32
MOTA	1888		THR A		4.197		12.422	1.00 13.48
MOTA	1889		THR A		5.628	28.249	13.202	1.00 13.40
MOTA	1890		THR A		5.439	29.443		1.00 13.07
MOTA	1891		THR A		6.190	28.764	11.050	1.00 17.19
MOTA	1892		THR A		4.262	26.342	11.390	1.00 13.00
MOTA	1893		THR A		4.052	26.379	10.184	
ATOM	1894		PHE A		4.576	25.222	12.032	1.00 15.48
ATOM	1895		PHE A		4.640	23.944	11.321	1.00 15.29
ATOM	1896		PHE A		5.043	22.832	12.304	1.00 17.14
ATOM	1897	CG	PHE A	255	4.977	21.465	11.674	1.00 17.46
ATOM	1898	CD1	PHE A	255	6.052	21.001	10.959	1.00 20.12
ATOM	1899	CE1	PHE A	255	6.001	19.759	10.330	1.00 19.80
ATOM	1900	CZ	PHE A	255	4.860	19.003	10.351	1.00 15.16
ATOM	1901	CE2	PHE A	255	3.755	19.457	11.013	1.00 16.37
ATOM	1902		PHE A		3.796	20.725	11.662	1.00 15.77
ATOM	1903	С	PHE A		3.271	23.608	10.725	1.00 15.30
ATOM	1904	0	PHE A		3.145	23.207	9.548	1.00 15.54
ATOM	1905	N	ILE A		2.256	23.693	11.568	1.00 13.96
ATOM	1906	CA	ILE A		0.914	23.321	11.106	1.00 14.62
ATOM	1907	CB	ILE A		-0.077	23.288	12.256	1.00 14.78
ATOM	1908	CG1	ILE A		0.284	22.166	13.221	1.00 16.14
ATOM	1909	CD1	ILE A		-0.671	22.068	14.439	1.00 16.04
ATOM	1910		ILE A		-1.497	23.016	11.695	1.00 14.89
ATOM	1911	C	ILE A		0.465	24.282	9.993	1.00 14.00
ATOM	1912	Ö	ILE A		-0.065	23.831	8.975	1.00 15.99
ATOM	1913	N	ALA A		0.637	25.588	10.195	1.00 14.29
	1914	CA	ALA A		0.292	26.539	9.130	1.00 13.84
ATOM	1914	CB	ALA A		0.571	27.988	9.530	1.00 14.99
MOTA		СВ	ALA A		0.955	26.205	7.798	1.00 14.85
MOTA	1916		ALA A		0.328	26.208	6.746	1.00 16.25
ATOM	1917	O N	LEU A		2.258	25.958	7.833	1.00 13.44
ATOM	1918	N			2.250	25.564	6.631	1.00 14.78
ATOM	1919	CA	LEU A		4.448	25.390	6.889	1.00 13.66
ATOM	1920	CB	LEU A			25.137	5.615	1.00 15.58
ATOM	1921	CG	LEU A		5.247		4.593	1.00 13.30
ATOM	1922		LEU A		5.050	26.284	5.965	1.00 17.44
MOTA	1923	CD2	LEU A	258	6.745	25.019	5.905	1.00 10.74

ATOM	1924	С	LEU	Α	258	2.391	24.297	6.013	1.00 14.93
ATOM	1925	0	LEU	Α	258	2.223	24.210	4.805	1.00 14.85
ATOM	1926	N	ASP	Α	259	2.105	23.290	6.838	1.00 15.85
ATOM	1927	CA	ASP	Α	259	1.470	22.081	6.314	1.00 16.95
ATOM	1928	CB	ASP	Α	259	1.186	21.146	7.501	1.00 18.21
ATOM	1929	CG	ASP			0.834	19.718	7.102	1.00 22.66
ATOM	1930		ASP			1.205	19.202	6.016	1.00 20.07
ATOM	1931		ASP			0.217	18.996	7.920	1.00 33.57
ATOM	1932	C	ASP			0.173	22.425	5.567	1.00 15.64
ATOM	1933	0	ASP			-0.024	21.963	4.439	1.00 17.43
ATOM	1934	N	ARG			-0.682	23.260	6.148	1.00 16.51
ATOM	1935	CA	ARG			-1.947	23.632	5.504	1.00 16.62
	1936	CB	ARG			-2.836	24.464	6.425	1.00 18.22
ATOM	1937	CG	ARG			-3.435	23.668	7.571	1.00 25.51
MOTA	1938	CD	ARG			-4.950	23.818	7.664	1.00 40.63
MOTA			ARG			-5.428	25.199	7.581	1.00 49.41
MOTA	1939	NE CZ	ARG			-5.919	25.797	6.491	1.00 52.56
ATOM	1940		ARG			-6.025	25.176	5.311	1.00 50.50
ATOM	1941	NH1				-6.310	27.059	6.592	1.00 53.49
ATOM	1942		ARG					4.233	1.00 35.45
ATOM	1943	C	ARG			-1.685	24.431		1.00 18.96
ATOM	1944	0	ARG			-2.247	24.131	3.165	1.00 15.77
ATOM	1945	N	ILE			-0.767	25.394	4.310	1.00 13.77
ATOM	1946	CA	ILE			-0.542	26.228	3.138	
ATOM	1947	СВ	ILE			0.206	27.521	3.521	1.00 21.96
ATOM	1948		AILE			1.651	27.329	3.908	0.50 17.99
ATOM	1949		BILE			-0.685	28.609	4.112	0.50 19.62
ATOM	1950		AILE			2.215	28.633	4.442	0.50 20.12
ATOM	1951		BILE			0.000	29.266	5.315	0.50 24.86
ATOM	1952		AILE			-0.604	28.289	4.549	0.50 18.49 0.50 19.26
ATOM	1953		BILE			1.211	27.966	2.472	
ATOM	1954	С	ILE			0.067	25.456	1.973	1.00 19.50
ATOM	1955	0	ILE			-0.278	25.684	0.799	1.00 17.34
ATOM	1956	N	LEU			1.002	24.564	2.291	1.00 18.57
ATOM	1957	CA	LEU			1.572	23.704	1.256	1.00 19.04
ATOM	1958	CB	LEU			2.736	22.874	1.776	1.00 17.43
ATOM	1959	CG	LEU			4.004	23.676	2.064	1.00 16.24
ATOM	1960	CD1	LEU			5.114	22.827	2.635	1.00 18.88
ATOM	1961	CD2	LEU			4.509	24.501	0.861	1.00 21.60
ATOM	1962	С	LEU			0.533	22.831	0.568	1.00 18.56
ATOM	1963	0	LEU			0.613	22.605	-0.649	1.00 19.59
MOTA	1964	N			263	-0.423	22.344	1.350	1.00 16.77
ATOM	1965	CA			263	-1.517	21.572	0.772	1.00 18.98
ATOM	1966	CB			263	-2.359	20.878	1.850	1.00 21.56
ATOM	1967	CG			263	-1.581	19.736	2.499	1.00 24.14
ATOM	1968	CD			263	-2.322	19.083	3.652	1.00 30.60
ATOM	1969	OE1				-3.120	18.178	3.445	1.00 37.41
ATOM	1970		GLN			-2.058	19.540	4.868	1.00 34.60
ATOM	1971	С			263	-2.383	22.438	-0.124	1.00 18.41
ATOM	1972	0			263	-2.861	21.939	-1.165	1.00 19.16
ATOM	1973	N	GLN			-2.585	23.692	0.286	1.00 17.80
ATOM	1974	CA	GLN			-3.284	24.667	-0.547	1.00 19.17
ATOM	1975	CB	GLN	A	264	-3.375	26.035	0.130	1.00 21.52

ATOM	1976	CG	GLN	A	264	-4.488	26.101	1.152	1.00 22.71
ATOM	1977	CD	GLN			-4.485	27.392	1.924	1.00 27.25
ATOM	1978	OE1				-3.974	28.404	1.452	1.00 28.01
MOTA	1979	NE2				-5.062	27.364	3.126	1.00 32.99
ATOM	1980	С	GLN			-2.569	24.866	-1.856	1.00 17.97
ATOM	1981	0	GLN			-3.195	24.854	-2.914	1.00 18.97
MOTA	1982	N			265	-1.243	25.044	-1.807	1.00 16.73
MOTA	1983	CA			265	-0.524	25.223	-3.059	1.00 15.75
ATOM	1984	СВ			265	0.944	25.599	-2.792	1.00 16.04
ATOM	1985	CG			265	1.177	26.933	-2.072	1.00 16.47
ATOM	1986	CD1	LEU			2.699	27.094	-1.977	1.00 23.16
ATOM	1987		LEU			0.556	28.085	-2.851	1.00 23.92
MOTA	1988	С	LEU			-0.567	24.006	-3.963	1.00 17.46
MOTA	1989	0	LEU			-0.348	24.116	-5.177	1.00 19.71
ATOM	1990	N	ASP			-0.787	22.828	-3.397	1.00 15.69
ATOM	1991	CA	ASP			-0.767	21.626	-4.210	1.00 16.88
ATOM	1992	CB	ASP			-0.328	20.423	-3.368	1.00 17.44
ATOM	1993	CG	ASP			1.156	20.375	-3.149	1.00 21.62
MOTA	1994	OD1				1.862	21.159	-3.791	1.00 21.03
MOTA	1995		ASP			1.680	19.586	-2.335	1.00 25.07
ATOM	1996	С	ASP			-2.163	21.343	-4.768	1.00 16.49
MOTA	1997	0	ASP			-2.320	20.469	-5.624	1.00 18.65
ATOM	1998	N	SER			-3.151	22.112	-4.318	1.00 17.93
MOTA	1999	CA	SER			-4.562	21.826	-4.646	1.00 18.68
ATOM	2000	CB	SER			-5.334	21.390	-3.392	1.00 20.21
ATOM	2001		ASER			-4.827	20.179	-2.869	0.50 22.09
ATOM	2002		BSER			-5.151	22.290	-2.327	0.50 19.41
ATOM	2003	С	SER			-5.375	22.910	-5.354	1.00 19.44 1.00 19.32
ATOM	2004	0	SER			-6.260	22.591	-6.147	1.00 19.32 1.00 18.83
ATOM	2005	N	LYS			-5.083	24.164	-5.022 -5.377	1.00 18.83
ATOM	2006	CA	LYS			-5.848	25.354		1.00 20.10
ATOM	2007	CB	LYS			-6.430	25.992	-4.099 -3.470	1.00 26.76
ATOM	2008	CG	LYS			-7.498	25.094	-2.209	1.00 20.70
ATOM	2009	CD	LYS			-8.104	25.692 26.845	-2.493	1.00 39.80
ATOM	2010 2011	CE NZ	LYS LYS		268	-9.065 -9.302	27.654	-1.258	1.00 33.00
ATOM ATOM	2011	C	LYS			-4.995	26.373	-6.115	1.00 42.30
ATOM	2012	0			268	-3.762	26.340	-6.077	1.00 20.14
ATOM	2013	N	ASP			-5.653	27.329	-6.766	1.00 20.67
ATOM	2015	CA	ASP			-4.923	28.431	-7.379	1.00 22.23
ATOM	2015	CB	ASP			-5.354	28.695	-8.824	1.00 21.86
ATOM	2017	CG	ASP			-6.802	29.136	-8.948	1.00 24.01
ATOM	2018		ASP			-7.478	29.270	-7.910	1.00 23.82
ATOM	2019		ASP			-7.315		-10.081	1.00 25.17
ATOM	2020	C	ASP			-4.936	29.704	-6.561	1.00 21.37
ATOM	2021	Ö	ASP			-4.671	30.783	-7.086	1.00 20.35
ATOM	2022	N	SER			-5.235	29.557	-5.272	1.00 22.33
ATOM	2023	CA	SER			-5.009	30.638	-4.323	1.00 20.47
ATOM	2024	CB	SER			-6.278	31.451	-4.075	1.00 24.06
ATOM	2025	OG	SER			-7.314	30.640	-3.578	1.00 26.40
ATOM	2026	C	SER			-4.518	30.042	-3.018	1.00 21.38
ATOM	2027	Ō	SER			-4.735	28.852	-2.739	1.00 22.73

ATOM	2028	N	VAL A	271	-3.88		-2.225	1.00 22.36
MOTA	2029	CA	VAL A	271	-3.26		-0.963	1.00 21.09
ATOM	2030	CB	VAL A	271	-1.70		-1.115	1.00 19.31
ATOM	2031	CG1	VAL A	271	-1.16	7 31.865	-1.450	1.00 21.60
ATOM	2032	CG2	VAL A	271	-1.08	2 29.972	0.200	1.00 21.85
ATOM	2033	С	VAL A		-3.68	8 31.549	0.072	1.00 20.22
ATOM	2034	0	VAL A		-3.78	7 32.736	-0.240	1.00 22.08
ATOM	2035	N	ASP A		-3.91	7 31.112	1.310	1.00 20.16
ATOM	2036	CA	ASP A		-4.47		2.324	1.00 19.60
ATOM	2037	CB	ASP A		-5.96		2.437	1.00 19.30
MOTA	2038	CG	ASP A		-6.67		3.431	1.00 19.17
	2039		ASP A		-6.07		3.891	1.00 21.60
ATOM	2039		ASP A		-7.85		3.783	1.00 24.88
ATOM		C	ASP A		-3.74		3.655	1.00 20.36
ATOM	2041		ASP A		-4.24		4.591	1.00 20.38
MOTA	2042	0			-2.54		3.720	1.00 19.70
MOTA	2043	N	ILE A		-1.76		4.942	1.00 19.19
MOTA	2044	CA	ILE A				4.720	1.00 18.60
MOTA	2045	CB	ILE F		-0.38		3.548	1.00 21.27
MOTA	2046	CG1	ILE F		0.33		3.275	1.00 22.60
MOTA	2047	CD1	ILE F		1.72		5.999	1.00 20.66
MOTA	2048	CG2			0.46			1.00 20.00
MOTA	2049	С	ILE F		-2.47		6.107	
MOTA	2050	0	ILE A		-2.47		7.218	1.00 18.55 1.00 18.83
MOTA	2051	N	TYR A		-3.10		5.869	
MOTA	2052	CA	TYR A		-3.76		6.953	1.00 21.01
ATOM	2053	CB	TYR A		-4.36		6.356	1.00 19.87
MOTA	2054	CG	TYR A		-5.06		7.358	1.00 18.97
ATOM	2055	CD1	TYR A		-4.39		7.954	1.00 21.35
MOTA	2056	CE1			-5.02		8.864	1.00 25.25
ATOM	2057	CZ	TYR A	274	-6.35		9.157	1.00 28.87
MOTA	2058	OH	TYR A	274	-6.97		10.070	1.00 34.66
ATOM	2059	CE2	TYR A	274	-7.05		8.579	1.00 26.00
ATOM	2060	CD2	TYR A	274	-6.41		7.669	1.00 22.43
ATOM	2061	С	TYR A	274	-4.87		7.550	1.00 21.55
ATOM	2062	0	TYR A	274	-4.99	33.834	8.776	1.00 22.52
MOTA	2063	N	GLY A	A 275	-5.62	25 33.326	6.671	1.00 19.33
MOTA	2064	CA	GLY A	A 275	-6.74	11 32.496		1.00 19.21
ATOM	2065	С	GLY A	A 275	-6.24	15 31.272	7.837	1.00 20.79
ATOM	2066	0	GLY A	A 275	-6.88		8.796	1.00 22.44
MOTA	2067	N	ALA A	A 276	-5.12	25 30.692	7.398	1.00 18.85
MOTA	2068	CA		A 276	-4.55		8.094	1.00 20.03
ATOM	2069	СВ		A 276	-3.32	24 29.022	7.356	1.00 20.07
ATOM	2070	C		A 276	-4.19	29.870	9.542	1.00 19.85
ATOM	2071	Ō		A 276	-4.43	32 29.103	10.479	1.00 20.22
ATOM	2072	N		A 277	-3.53			1.00 19.70
ATOM	2072	CA		A 277	-3.13			1.00 19.31
ATOM	2073	CB		A 277	-2.12			1.00 17.79
ATOM	2074		VAL		-1.82			1.00 18.22
ATOM	2076	CG2			-0.84			1.00 18.41
	2070	CG2		A 277	-4.3			1.00 19.90
ATOM	2077	0		A 277	-4.4			1.00 20.30
ATOM	2078	N		A 278	-5.2			1.00 19.02
MOTA	2013	TA	1110		5.2		_:	

MOTA	2080	CA	HIS	Α	278		-6.516	32.865	11.948		19.17
ATOM	2081	CB	HIS	Α	278		-7.444	33.619	10.992		19.25
MOTA	2082	CG	HIS	Α	278		-8.751	33.994	11.601	1.00	18.26
ATOM	2083	ND1	HIS	Α	278		-9.794	33.105	11.749		23.05
ATOM	2084	CE1	HIS	Α	278	-	10.818	33.721	12.311	1.00	21.29
ATOM	2085	NE2	HIS	Α	278	_	10.478	34.980	12.522	1.00	22.86
ATOM	2086	CD2	HIS	Α	278		-9.189	35.176	12.093	1.00	20.74
ATOM	2087	С	HIS				-7.203	31.605	12.495	1.00	17.84
ATOM	2088	0	HIS				-7.537	31.525	13.680	1.00	18.09
ATOM	2089	N	ASP				-7.350	30.601	11.635		18.49
ATOM	2090	CA	ASP				-8.101	29.403	11.989	1.00	19.79
ATOM	2091	CB	ASP				-8.327	28.536	10.749		21.91
ATOM	2092	CG	ASP				-9.382	29.137	9.805		27.33
ATOM	2092	OD1	ASP				10.122	30.086	10.181		32.69
		OD1	ASP				-9.571	28.698	8.663		32.10
ATOM	2094		ASP				-7.376	28.645	13.092		19.96
ATOM	2095	C	ASP				-8.023	28.185	14.024		21.76
ATOM	2096	0									17.01
ATOM	2097	N	LEU				-6.040	28.527	13.041		
ATOM	2098	CA	LEU				-5.330	27.942	14.182		16.07
ATOM	2099	СВ	LEU				-3.826	27.947	13.886		15.00
ATOM	2100	CG	LEU				-3.422	27.038	12.707	1.00	
ATOM	2101	CD1	LEU				-1.913	27.070	12.480		18.81
ATOM	2102	CD2	LEU				-3.882	25.608	12.945		25.24
ATOM	2103	С	LEU				-5.569	28.675	15.513		16.26
ATOM	2104	0	LEU				-5.712	28.053	16.564		16.85
MOTA	2105	N	ARG				-5.589	30.004	15.476		15.08
MOTA	2106	CA	ARG	Α	281		-5.688	30.743	16.716	1.00	17.44
MOTA	2107	CB	ARG	Α	281		-5.378	32.206	16.447	1.00	17.50
MOTA	2108	CG	ARG	Α	281		-3.897	32.412	16.278	1.00	17.29
ATOM	2109	CD	ARG	Α	281		-3.452	33.863	16.134	1.00	16.44
ATOM	2110	NE	ARG	Α	281		-1.994	33.944	15.966	1.00	16.47
ATOM	2111	CZ	ARG	Α	281		-1.298	35.076	15.842	1.00	18.10
ATOM	2112	NH1	ARG	Α	281		-1.939	36.226	15.915	1.00	21.62
ATOM	2113	NH2	ARG	Α	281		0.034	35.066	15.648	1.00	18.29
ATOM	2114	С	ARG	Α	281		-7.060	30.626	17.353	1.00	17.49
ATOM	2115	0	ARG	Α	281		-7.199	30.854	18.553	1.00	19.29
ATOM	2116	N	LEU	Α	282		-8.062	30.261	16.560	1.00	18.15
ATOM	2117	CA	LEU				-9.358	29.983	17.142	1.00	17.68
ATOM	2118	СВ	LEU				10.396	29.682	16.062	1.00	16.99
ATOM	2119	CG	LEU				10.801	30.873	15.182	1.00	19.43
ATOM	2120		LEU				11.737	30.362	14.090		25.48
ATOM	2121		LEU				11.501	31.952	16.018		24.65
ATOM	2122	C	LEU				-9.279	28.793	18.102		19.14
ATOM	2123	0	LEU				10.141	28.668	18.977		19.96
ATOM	2124	N	HIS				-8.293	27.918	17.896		17.18
ATOM	2125	CA	HIS				-8.277	26.637	18.601		18.07
	2126	CB	HIS				-8.139	25.490	17.597		18.24
MOTA		CG	HIS				-9.231	25.476	16.585		19.11
ATOM	2127						10.466	24.910	16.822		23.60
MOTA	2128		HIS HIS					25.064	15.756		19.21
ATOM	2129						11.231				24.32
ATOM	2130		HIS				10.545	25.722	14.844		23.68
MOTA	2131	CDZ	HIS	А	203		-9.296	26.007	15.343	1.00	23.00

ATOM	2132	С	HIS A	Ą	283	-	-7.254	26.	512	19.707		17.83
ATOM	2133	0	HIS A	A	283	-	-7.428	25.	694	20.622		18.19
ATOM	2134	N	ARG Z	Ą	284	-	-6.201	27.	314	19.637	1.00	17.80
ATOM	2135	CA	ARG A	A	284	-	-5.240	27.	348	20.746	1.00	18.49
ATOM	2136	СВ	ARG A				-4.226	26.	210	20.609	1.00	18.69
ATOM	2137	CG	ARG A				-3.276		099	21.796		18.21
ATOM	2138	CD	ARG A				-2.402		878	21.679		19.61
MOTA	2139	NE	ARG A				-1.291		852	22.639		17.43
	2140	CZ	ARG A				-1.355		269	23.836		15.60
MOTA		NH1					-2.509		773	24.275		16.53
MOTA	2141		ARG A				-0.290		237	24.619		17.46
ATOM	2142	C	ARG A				-4.530		695	20.752		17.37
ATOM	2143		ARG A				-4.367		323	19.707		16.68
ATOM	2144	0					-4.142		123	21.941		16.77
ATOM	2145	N	VAL A							22.158		
MOTA	2146	CA	VAL A				-3.720		502			
ATOM	2147	CB	VAL A				-3.294		774	23.616		
ATOM	2148	CG1					-2.160		860	24.061		18.15
MOTA	2149	CG2	VAL 2				-2.946		249	23.792		21.76
ATOM	2150	С	VAL Z				-2.599		925	21.225		19.42
MOTA	2151	0	VAL A				-1.503		358	21.256		20.43
MOTA	2152	N	HIS A				-2.914		919	20.395		21.27
MOTA	2153	CA	HIS A				-1.916		671	19.615		22.02
MOTA	2154	CB	HIS A				-1.237		690	20.547		20.50
MOTA	2155	CG	HIS A			-	-0.509		803	19.848		23.00
MOTA	2156	ND1	HIS A	A	286		0.558		583	19.001		22.19
ATOM	2157	CE1	HIS A	Α	286		0.997	35.	742	18.539		28.42
ATOM	2158	NE2	HIS A	Α	286		0.299		711	19.104		23.08
ATOM	2159	CD2	HIS 2	Α	286	-	-0.660	36.	149	19.920		25.08
ATOM	2160	С	HIS 2	Α	286	-	-0.937	31.	748	18.880		20.60
ATOM	2161	0	HIS 2	Α	286		0.249	32.	021	18.774		22.19
ATOM	2162	N	MET :	Α	287	-	-1.425	30.	634	18.328	1.00	19.66
ATOM	2163	CA	MET :	Α	287	-	-0.622	29.	854	17.395	1.00	20.00
ATOM	2164	CB	MET .	Α	287	-	-1.505	28.	919	16.577	1.00	
ATOM	2165	CG	MET	Α	287	-	-2.213	27.	872	17.401	1.00	22.55
ATOM	2166	SD	MET .	Α	287	-	-1.075	26.	566	17.823	1.00	40.15
ATOM	2167	CE	MET 2	Α	287	-	-1.223	27.	071	19.109	1.00	6.08
ATOM	2168	С	MET	Α	287		0.133	30.	710	16.385	1.00	20.09
ATOM	2169	0	MET .	Α	287	-	-0.471	31.	515	15.681	1.00	20.94
ATOM	2170	N			288		1.422	30.	424	16.237	1.00	19.63
ATOM	2171	CA	VAL				2.388	31.	249	15.511	1.00	18.83
ATOM	2172	СВ	VAL				1.962		725	14.093		17.58
ATOM	2173		VAL				3.180		328	13.410		18.31
ATOM	2174		VAL .				1.542		563	13.204		17.78
ATOM	2175	C	VAL				2.758		425	16.439		18.47
ATOM	2176	0	VAL .				1.937		283	16.710		20.51
ATOM	2177	N	GLN .				3.970		397	16.978		20.96
ATOM	2178	CA	GLN .				4.275		242	18.136		22.85
ATOM	2179	CB	GLN .				5.360		573	18.989		23.05
ATOM	2179	CG	GLN .				5.711		382	20.255		23.08
	2180	CD	GLN .				6.940		853	20.982		24.28
ATOM	2182		GLN .				7.913		445	20.361		27.56
ATOM			GLN .				6.888		843	22.309		23.63
MOTA	2183	NUZ	، الالتك	$\overline{}$	200		5.500	74.	J . J	00		

ATOM	2184	С	GLN A	289	4.723	34.660	17.707	1.00 24.40
ATOM	2185	0	GLN A	289	4.391	35.649	18.378	1.00 23.35
ATOM	2186	N	THR A	290	5.492	34.737	16.617	1.00 26.49
ATOM	2187	CA	THR A	290	6.172	35.968	16.207	1.00 25.39
ATOM	2188	СВ	THR A	290	7.702	35.856	16.359	1.00 26.91
ATOM	2189	OG1	THR A		8.244	35.042	15.307	1.00 28.99
ATOM	2190	CG2	THR A		8.109	35.128	17.629	1.00 27.48
ATOM	2191	C	THR A		5.866	36.465	14.801	1.00 26.87
ATOM	2192	0	THR A		5.512	35.692	13.896	1.00 25.17
ATOM	2193	N	GLU A		6.023	37.770	14.595	1.00 25.95
	2194	CA	GLU A		5.904	38.299	13.242	1.00 26.94
MOTA		CB	GLU A		6.101	39.818	13.221	1.00 28.49
ATOM	2195		GLU A		5.769	40.445	11.874	1.00 26.87
ATOM	2196	CG	GLU A		6.009	41.941	11.858	1.00 36.69
ATOM	2197	CD			7.008	42.378	11.254	1.00 43.24
ATOM	2198	OE1			5.212	42.677	12.471	1.00 40.46
ATOM	2199		GLU A				12.314	1.00 26.09
MOTA	2200	C	GLU A		6.910	37.609	11.174	1.00 25.81
MOTA	2201	0	GLU A		6.577	37.275		1.00 23.01
MOTA	2202	N	CYS A		8.123	37.346	12.792	1.00 27.33
ATOM	2203	CA	CYS A		9.115	36.718	11.917	1.00 27.95
MOTA	2204	CB		292	10.448	36.520	12.615	
MOTA	2205	SG`			11.241	38.119	12.768	1.00 41.05
MOTA	2206	С	CYS A		8.623	35.388	11.374	1.00 24.32
MOTA	2207	0	CYS A		8.866	35.043	10.217	1.00 21.58
ATOM	2208	N	GLN A		7.928	34.654	12.234	1.00 23.27
ATOM	2209	CA	GLN A		7.384	33.358	11.845	1.00 22.22
ATOM	2210	CB	GLN A		6.829	32.657	13.092	1.00 23.15
MOTA	2211	CG	GLN A	293	7.935	32.014	13.943	1.00 22.95
MOTA	2212	CD	GLN A	293	7.497	31.584	15.342	1.00 24.04
MOTA	2213	OE1	GLN A	293	6.342	31.765	15.721	1.00 21.47
ATOM	2214	NE2	GLN A	293	8.409	30.964	16.098	1.00 21.01
ATOM	2215	С	GLN A	293	6.316	33.548	10.766	1.00 21.55
ATOM	2216	0	GLN A	293	6.228	32.792	9.791	1.00 20.32
ATOM	2217	N	TYR A	294	5.506	34.586	10.920	1.00 21.97
ATOM	2218	CA	TYR A	294	4.537	34.924	9.888	1.00 21.49
ATOM	2219	СВ	TYR A		3.670	36.091	10.352	1.00 23.10
ATOM	2220	CG	TYR A	294	2.400	36.319	9.556	1.00 21.89
ATOM	2221	CD1	TYR A	294	1.379	35.379	9.531	1.00 19.98
ATOM	2222	CE1	TYR A		0.185	35.606	8.862	1.00 22.15
ATOM	2223	CZ	TYR A		0.045	36.772	8.138	1.00 24.71
MOTA	2224	ОН	TYR A		-1.116	36.991	7.445	1.00 25.08
ATOM	2225	CE2			1.059	37.703	8.118	1.00 22.86
ATOM	2226	CD2			2.222	37.489	8.827	1.00 23.52
ATOM	2227	C	TYR A		5.239	35.306	8.576	1.00 22.57
ATOM	2228	0	TYR A		4.786	34.933	7.491	1.00 20.32
ATOM	2229	N	VAL A		6.373	36.001	8.670	1.00 22.24
ATOM	2230	CA	VAL A		7.104	36.358	7.454	1.00 20.86
ATOM	2231	CB	VAL A		8.267	37.326	7.712	1.00 23.76
	2231	CG1			9.018	37.568	6.381	1.00 23.08
ATOM	2232		VAL A		7.749	38.634	8.308	1.00 23.92
ATOM		CGZ	VAL A		7.640	35.093	6.790	1.00 19.44
ATOM	2234		VAL A		7.633	34.973	5.572	1.00 20.82
ATOM	2235	0	VAL A	233	7.033	34.313	3.3,2	

ATOM	2236	N	TYR	Α	296	8.078	34.149	7.611	1.00 21.43
ATOM	2237	CA	TYR	Α	296	8.763	32.971	7.121	1.00 19.39
ATOM	2238	CB	TYR	Α	296	9.281	32.156	8.298	1.00 19.80
ATOM	2239	CG	TYR	Α	296	9.911	30.860	7.902	1.00 18.43
ATOM	2240	CD1			296	11.208	30.833	7.381	1.00 18.72
ATOM	2241	CE1			296	11.823	29.631	7.077	1.00 22.90
ATOM	2242	CZ			296	11.154	28.450	7.332	1.00 22.92
ATOM	2243	OH			296	11.728	27.247	7.033	1.00 23.22
ATOM	2244	CE2			296	9.873	28.447	7.854	1.00 21.43
ATOM	2245	CD2			296	9.275	29.644	8.162	1.00 21.11
ATOM	2246	C			296	7.771	32.136	6.320	1.00 18.46
ATOM	2247	0			296	8.157	31.542	5.319	1.00 19.77
					297	6.509	32.096	6.767	1.00 19.80
ATOM	2248	N							1.00 17.52
ATOM	2249	CA			297	5.478	31.346	6.056	
ATOM	2250	CB			297	4.148	31.412	6.825	1.00 19.78
ATOM	2251	CG			297	4.110	30.542	8.092	1.00 16.59
ATOM	2252	CD1				2.768	30.733	8.798	1.00 20.00
ATOM	2253	CD2				4.304	29.063	7.757	1.00 18.37
ATOM	2254	С			297	5.311	31.947	4.657	1.00 18.94
ATOM	2255	0			297	5.174	31.247	3.654	1.00 19.58
MOTA	2256	N			298	5.350	33.270	4.588	1.00 19.76
ATOM	2257	CA			298	5.257	33.950	3.290	1.00 19.33
ATOM	2258	CB	HIS			5.120	35.462	3.508	1.00 20.79
ATOM	2259	CG	HIS			3.742	35.888	3.889	1.00 19.70
ATOM	2260	ND1	HIS	Α	298	3.242	35.727	5.165	1.00 20.71
MOTA	2261	CE1	HIS	Α	298	1.991	36.153	5.195	1.00 20.63
MOTA	2262	NE2	HIS	Α	298	1.672	36.608	3.998	1.00 23.44
ATOM	2263	CD2	HIS	Α	298	2.753	36.453	3.162	1.00 20.17
ATOM	2264	С	HIS	Α	298	6.475	33.665	2.410	1.00 18.63
ATOM	2265	0	HIS	Α	298	6.333	33.486	1.200	1.00 20.17
ATOM	2266	N	GLN	Α	299	7.667	33.627	2.990	1.00 21.31
MOTA	2267	CA	GLN	Α	299	8.868	33.309	2.226	1.00 20.83
MOTA	2268	СВ	GLN	Α	299	10.128	33.492	3.082	1.00 22.50
ATOM	2269	CG	GLN			10.312	34.954	3.499	1.00 25.27
MOTA	2270	CD	GLN	Α	299	11.423	35.135	4.525	1.00 28.26
ATOM	2271		GLN			11.557	34.329	5.445	1.00 29.83
ATOM	2272	NE2	GLN			12.188	36.219	4.403	1.00 26.71
ATOM	2273	C	GLN			8.769	31.887	1.693	1.00 21.19
ATOM	2274	0	GLN			9.147	31.646	0.552	1.00 20.84
ATOM	2275	N	CYS			8.231	30.964	2.490	1.00 19.77
ATOM	2276	CA	CYS			8.097	29.590	2.021	1.00 21.20
ATOM	2277	СВ	CYS			7.546	28.649	3.111	1.00 21.59
ATOM	2278	SG	CYS			8.659	28.313	4.496	1.00 21.31
ATOM	2279	C	CYS			7.227	29.549	0.778	1.00 18.38
	2280	0	CYS			7.572	28.916	-0.213	1.00 10.50
ATOM	2281		VAL			6.076	30.207	0.833	1.00 19.30
ATOM		N CA							1.00 20.07
ATOM	2282	CA	VAL			5.143	30.161	-0.279	
ATOM	2283	CB	VAL			3.831	30.847	0.087	1.00 19.69
ATOM	2284		VAL			2.980	31.013	-1.147	1.00 19.02
ATOM	2285		VAL			3.082	30.041	1.150	1.00 23.02
ATOM	2286	C	VAL			5.730	30.824	-1.522	1.00 18.98
ATOM	2287	0	VAL	A	301	5.634	30.294	-2.652	1.00 18.99

ATOM	2288	N	ARG	Α	302	6.361	31.968	-1.289	1.00	20.60
ATOM	2289	CA	ARG	Α	302	7.085	32.662	-2.365	1.00	22.52
ATOM	2290	CB	ARG	Α	302	7.807	33.876	-1.811	1.00	23.52
ATOM	2291	CG	ARG	Α	302	8.616	34.611	-2.872	1.00	24.32
ATOM	2292	CD	ARG	A	302	9.710	35.455	-2.228	1.00	26.13
ATOM	2293	NE	ARG	Α	302	10.667	34.616	-1.520	1.00	31.05
ATOM	2294	CZ	ARG			11.476	35.050	-0.558	1.00	36.30
ATOM	2295	NH1				11.460	36.326	-0.192		37.18
ATOM	2296	NH2				12.305	34.207	0.041		34.04
ATOM	2297	С	ARG			8.087	31.777	-3.095		23.40
ATOM	2298	0	ARG			8.103	31.755	-4.329		23.55
ATOM	2299	N	ASP			8.903	31.055	-2.328		22.39
ATOM	2300	CA	ASP			9.904	30.144	-2.863		22.73
ATOM	2301	CB	ASP			10.892	29.686	-1.773		21.26
ATOM	2301	CG	ASP			11.711	30.827	-1.192		28.53
	2302		ASP			11.711	31.931	-1.789		27.62
ATOM			ASP			12.386	30.699			26.66
ATOM	2304					9.338		-0.137		20.36
ATOM	2305	C	ASP				28.944	-3.632		
ATOM	2306	0	ASP			9.838	28.603	-4.712		21.25
ATOM	2307	N	VAL			8.284	28.318	-3.106		20.24
ATOM	2308	CA	VAL			7.656	27.200	-3.805		19.03
ATOM	2309	СВ	VAL			6.506	26.614	-2.948		21.99
ATOM	2310	CG1	VAL			5.687	25.599	-3.724		21.81
MOTA	2311		VAL			7.116	25.982	-1.713		22.11
ATOM	2312	С	VAL			7.141	27.710	-5.149		19.92
ATOM	2313	0	VAL			7.322	27.066	-6.197		21.24
ATOM	2314	N	LEU			6.459	28.851	-5.112		18.22
MOTA	2315	CA	LEU			5.836	29.364	-6.332		20.56
ATOM	2316	CB	LEU			4.844	30.480	-6.012		17.57
MOTA	2317	CG	LEU			3.557	30.008	-5.320		19.17
MOTA	2318	CD1	LEU			2.712	31.253	-4.985		19.55
MOTA	2319	CD2	LEU			2.691	28.974	-6.082		20.38
MOTA	2320	С	LEU			6.824	29.794	-7.407		21.36
MOTA	2321	0	LEU			6.574	29.576	-8.606		23.65
MOTA	2322	N	ARG			7.947	30.358	-6.969		23.97
ATOM	2323	CA	ARG			9.014	30.735	- 7.913		23.57
MOTA	2324	CB	ARG			10.171	31.436	-7.207		23.85
MOTA	2325	CG	ARG			9.941	32.875	-6.733		26.18
MOTA	2326	CD	ARG	A	306	11.158	33.484	-6.039	1.00	35.81
MOTA	2327	NE	ARG	A	306	11.010	34.920	- 5.779		36.91
MOTA	2328	CZ	ARG			11.865	35.646	- 5.060		37.77
MOTA	2329	NH1	ARG	Α	306	12.925	35.079	-4.500	1.00	36.45
MOTA	2330	NH2	ARG	A	306	11.658	36.947	-4.882	1.00	37.40
MOTA	2331	С	ARG	A	306	9.547	29.478	-8.604	1.00	25.69
ATOM	2332	0	ARG	Α	306	9.712	29.439	-9.834	1.00	23.35
MOTA	2333	N	ALA	Α	307	9.792	28.436	-7.811	1.00	23.29
MOTA	2334	CA	ALA	Α	307	10.314	27.185	-8.349	1.00	24.26
MOTA	2335	СВ	ALA	Α	307	10.556	26.230	-7.205	1.00	24.03
MOTA	2336	С	ALA	Α	307	9.354	26.565	-9.344	1.00	22.10
MOTA	2337	0	ALA			9.740	26.077	-10.410	1.00	22.72
ATOM	2338	N	ARG			8.068	26.598	-9.008	1.00	20.80
ATOM	2339	CA	ARG	Α	308	7.092	25.915	-9.835	1.00	20.00

MOTA	2340	CB	ARG	Α	308	5.774	25.772	-9.075	1.00 21.72
ATOM	2341	CG	ARG	Α	308	5.870	24.610	-8.109	1.00 22.26
ATOM	2342	CD	ARG	Α	308	4.618	24.345	-7.299	1.00 19.97
ATOM	2343	NE	ARG	Α	308	4.902	23.149	-6.503	1.00 24.07
ATOM	2344	CZ	ARG	Α	308	4.025	22.542	-5.718	1.00 27.19
ATOM	2345	NH1	ARG	Α	308	2.791	23.003	-5.673	1.00 23.93
ATOM	2346	NH2				4.377	21.464	-5.012	1.00 28.78
ATOM	2347	С			308	6.876		-11.139	1.00 22.15
ATOM	2348	0			308	6.699		-12.176	1.00 21.30
ATOM	2349	N			309	6.953		-11.082	1.00 21.16
ATOM	2350	CA			309	6.685		-12.253	1.00 22.32
ATOM	2351	CB			309	6.801		-11.901	1.00 24.02
ATOM	2352	CG			309	6.508		-13.040	1.00 29.43
	2353				309	6.215		-12.484	1.00 23.43
ATOM	2353	CD			309	5.642		-13.538	1.00 37.40
ATOM		CE	LYS						
ATOM	2355	ΝZ				6.468		-13.712	1.00 43.80
ATOM	2356	C			309	7.656		-13.367	1.00 22.56
ATOM	2357	0	LYS			7.281		-14.539	1.00 23.42
ATOM	2358	N	LEU			8.900		-12.999	1.00 22.00
ATOM	2359	CA	LEU			9.906		-14.002	1.00 21.73
MOTA	2360	CB	LEU			11.289		-13.409	1.00 21.13
MOTA	2361	CG	LEU			11.536		-12.922	1.00 21.73
MOTA	2362	CD1	LEU			12.995		-12.487	1.00 22.37
MOTA	2363	CD2	LEU			11.167		-14.011	1.00 28.55
MOTA	2364	С	LEU			9.830		-14.582	1.00 21.34
MOTA	2365	0	LEU	Α	310	10.478		-15.598	1.00 23.36
MOTA	2366	N	ARG	Α	311	9.067	25.580	-13.915	1.00 19.41
MOTA	2367	CA	ARG			8.862	24.211	-14.373	1.00 19.13
MOTA	2368	CB	ARG			9.162	23.298	-13.191	1.00 20.37
MOTA	2369	CG	ARG	Α	311	10.653	23.321	-12.863	1.00 21.47
MOTA	2370	CD	ARG	A	311	11.008	22.805	-11.476	1.00 24.25
MOTA	2371	NE	ARG	Α	311	10.520	21.442	-11.254	1.00 23.85
MOTA	2372	CZ	ARG	Α	311	10.688	20.774	-10.127	1.00 22.32
ATOM	2373	NH1	ARG	A	311	11.377	21.330	-9.126	1.00 25.69
MOTA	2374	NH2	ARG	Α	311	10.204	19.543	-9.993	1.00 18.91
MOTA	2375	С	ARG	Α	311	7.431	23.931	-14.838	1.00 21.21
ATOM	2376	0	ARG	Α	311	6.741	24.874	-15.241	1.00 25.92
ATOM	2377	050	INH	Z	1	4.605	33.376	23.736	1.00 26.83
MOTA	2378	C49	INH	\mathbf{z}	1	4.231	34.382	24.326	1.00 26.06
ATOM	2379	051	INH	Z	1	2.962	34.991	23.967	1.00 27.49
ATOM	2380	C52	INH	Z	1	1.903	34.307	23.285	1.00 26.93
ATOM	2381	C55	INH		1	0.784	35.332	23.198	1.00 23.29
ATOM	2382	C54	INH		1	2.396	33.902	21.890	1.00 27.36
ATOM	2383	C53	INH		1	1.427	33.119	24.127	1.00 26.28
ATOM	2384	N32	INH		1	4.935	34.973	25.294	1.00 24.59
ATOM	2385	C31	INH		1	6.210	34.438	25.733	1.00 26.22
ATOM	2386	C34	INH		1	6.924	35.626	26.369	1.00 30.49
ATOM	2387	C37	INH		1	7.645	36.501	25.365	1.00 33.76
ATOM	2388		INH		1	7.034	37.645	24.864	1.00 38.94
ATOM	2389		INH		1	7.713	38.450	23.950	1.00 30.34
ATOM	2390		INH		1	9.011	38.126	23.555	1.00 44.11
ATOM	2391	047			1	9.671	38.890	22.679	1.00 44.11
1-11 OL1	2 J J I	04/	TIAIT	4		2.011	20.000	42.013	7.00 33.30

ATOM	2392	C41	INH	Z	1	9.626	36.988	24.070	1.00 42.62
ATOM	2393	C40	INH	Z	1	8.945	36.181	24.978	1.00 40.44
ATOM	2394	C28	INH	Z	1	5.891	L 33.469	26.827	1.00 26.18
ATOM	2395	030	INH	Z	1	4.821			1.00 28.17
ATOM	2396	N19	INH		1	6.822			1.00 25.35
ATOM	2397	C11	INH		1	6.586		28.149	1.00 22.00
ATOM	2398	C20	INH		1	7.939			1.00 28.32
ATOM	2399	N22	INH	Z	1	8.016		30.046	1.00 20.32
	2400	C23	INH		1				
ATOM						9.185			
MOTA	2401	021	INH		1	8.902			1.00 30.70
ATOM	2402	C66	INH		1	5.982		27.471	1.00 23.98
ATOM	2403	C7	INH		1	6.449		26.074	1.00 24.27
MOTA	2404	C4	INH		1	5.750		24.950	1.00 22.11
MOTA	2405	C2	INH		1	6.147		23.651	1.00 23.96
MOTA	2406	C3	INH		1	7.564		25.869	1.00 22.36
ATOM	2407	C6	INH	\mathbf{z}	1	7.945	28.794	24.569	1.00 19.47
ATOM	2408	C5	INH	Z	1	7.273	29.237	23.440	1.00 24.64
ATOM	2409	N9	INH	Z	1	7.676	28.877	22.190	1.00 20.59
MOTA	2410	S14	INH	Z	1	7.262	27.472	21.482	1.00 19.91
ATOM	2411	015	INH	\mathbf{Z}	1	7.837	26.333	22.230	1.00 20.79
ATOM	2412	016	INH	Z	1	7.744	27.509	20.095	1.00 20.74
ATOM	2413	017	INH	Z	1	5.777	27.520	21.588	1.00 19.08
MOTA	2414	01	НОН	W	1	-11.455		16.241	1.00 11.20
ATOM	2415	01	НОН		2	10.092		-7.247	1.00 15.97
ATOM	2416	01	НОН		3	6.980		36.265	1.00 18.93
ATOM	2417	01	НОН		4	12.344		-10.547	1.00 26.47
ATOM	2418	01	НОН		5	-0.391		30.610	1.00 15.54
ATOM	2419	01	НОН		6	-12.910		25.785	1.00 18.19
ATOM	2420	01	НОН		7	16.795		22.020	1.00 20.81
ATOM	2421	01	НОН		8	10.793		31.456	
ATOM	2422	01	НОН		9	12.441		16.607	1.00 18.44
ATOM	2423	01	НОН		10	-5.476		24.187	1.00 18.18
ATOM	2424	01	НОН		11	-5.638		-12.183	1.00 22.91
ATOM	2425	01	НОН		12	-5.887		20.291	1.00 20.26
MOTA	2426	01	НОН		13	12.670		23.922	1.00 21.55
MOTA	2427	01	НОН		14	-2.209		-7.515	1.00 17.26
ATOM	2428	01	НОН		15	-7.454		28.843	1.00 18.21
MOTA	2429	01	НОН		16	-8.860		29.900	1.00 19.86
MOTA	2430	01	НОН	W	17	-2.830		3.268	1.00 21.86
MOTA	2431	01	НОН		18	18.579		13.609	1.00 26.92
ATOM	2432	01	НОН	M	19	-4.688		34.209	1.00 22.07
MOTA	2433	01	НОН	M	20	2.105	17.068	26.391	1.00 16.42
MOTA	2434	01	НОН	W	21	4.863	29.127	33.970	1.00 21.17
MOTA	2435	01	НОН	W	22	-3.568	19.852	7.077	1.00 22.18
ATOM	2436	01	НОН	W	23	-5.576	3.087	15.955	1.00 26.29
ATOM	2437	01	НОН		24	-12.917		18.619	1.00 22.65
ATOM	2438	01	НОН		25	18.698		17.368	1.00 27.43
ATOM	2439	01	НОН		26	1.962		29.108	1.00 20.96
ATOM	2440	01	НОН		27	2.295		29.144	1.00 19.64
ATOM	2441	01	НОН		28	-1.602		32.029	1.00 21.50
ATOM	2442	01	НОН		29	-0.729		15.728	1.00 21.30
ATOM	2442	01	НОН		30	-7.527	23.769	23.695	1.00 29.29
ATOM	2447	ΟŢ	поп	**	50	-1.527	23.709	23.033	1.00 24.34

ATOM	2444	01	НОН	W	31	14.282	22.365	16.948	1.00 22.99
MOTA	2445	01	НОН	W	32	-1.604	32.781	-14.649	1.00 27.92
MOTA	2446	01	НОН	M	33	-8.734	34.148	26.134	1.00 25.36
MOTA	2447	01	НОН	M	34	8.370	30.039	18.987	1.00 21.01
MOTA	2448	01	НОН	W	35	14.794	1.864	27.548	1.00 28.16
MOTA	2449	01	НОН	M	36	-10.739	27.532	37.044	1.00 24.62
ATOM	2450	01	НОН	W	37	-7.059	1.474	21.471	1.00 25.62
MOTA	2451	01	НОН	W	38	-11.234	14.555	24.148	1.00 23.76
MOTA	2452	01	НОН	W	39	4.445	10.833	33.936	1.00 24.00
ATOM	2453	01	НОН	W	40	7.644	22.182	-5.700	1.00 31.73
ATOM	2454	01	НОН	W	41	-9.581	18.385	34.798	1.00 27.77
MOTA	2455	01	НОН	W	42	-3.762	2.958	27.993	1.00 25.67
MOTA	2456	01	НОН	W	43	16.682	28.017	20.896	1.00 27.72
ATOM	2457	01	НОН		44	1.889	20.014	3.611	1.00 25.02
ATOM	2458	01	НОН		45	1.627	25.550	-6.758	1.00 34.05
ATOM	2459	01	НОН		46	0.286	7.549	9.166	1.00 38.49
ATOM	2460	01	НОН		47	-3.896	24.915	37.139	1.00 26.95
ATOM	2461	01	НОН		48	15.746	30.134	2.550	1.00 25.69
ATOM	2462	01	НОН		49	-5.568	10.500	33.186	1.00 28.26
ATOM	2463	01	НОН		50	-1.650	34.023	1.496	1.00 26.31
ATOM	2464	01	НОН		51	-7.652	10.717	25.362	1.00 28.32
ATOM	2465	01	НОН		52	0.328	0.370	13.309	1.00 27.61
ATOM	2466	01	НОН		53	15.355	1.106	30.215	1.00 30.33
ATOM	2467	01	НОН		54	10.015	24.503	30.496	1.00 29.94
ATOM	2468	01	НОН		55	-11.943	35.367	17.617	1.00 29.94
ATOM	2469	01	НОН		56	-4.357	-4.311	17.017	1.00 20.12
ATOM	2470	01	НОН		57	-1.130	26.109	35.655	1.00 35.14
ATOM	2471	01	НОН		58	6.603	33.740	-5.667	1.00 33.14
ATOM	2472	01	НОН		59	-11.191	21.716	18.000	1.00 34.20
ATOM	2473	01	НОН		60	4.005	20.176	-0.974	1.00 28.49
ATOM	2474	01	НОН		61	15.234	25.407	33.117	1.00 28.49
ATOM	2475	01	HOH		62	16.720	13.787	18.961	1.00 33.09
ATOM	2476	01	НОН		63	17.985	26.085	10.889	1.00 35.47
ATOM	2477	01	HOH		64	-4.391	35.179	19.227	1.00 35.47
ATOM	2478	01	HOH 1		65	-10.126	3.407	31.678	1.00 20.34
ATOM	2479	01	HOH 1		66	13.041	23.718	-8.522	1.00 37.24
ATOM	2480	01	HOH 1		67	15.808	27.630	0.948	1.00 20.07
ATOM	2481	01	HOH 1		68	-5.194	14.828	38.851	1.00 31.33
ATOM	2482	01	HOH 1		69	-2.993	14.525	10.647	1.00 32.13
ATOM	2483	01	нон і		70	4.460		-13.772	
ATOM	2484	01	нон и		71	-1.043	10.807	12.546	1.00 29.85 1.00 36.09
ATOM	2485	01	HOH I		72	5.955			
ATOM	2486	01	HOH I					-17.688	1.00 35.00
					73 74	-4.797	23.062	3.425	1.00 23.14
ATOM	2487	01	HOH I		74	12.930	17.207	31.823	1.00 25.65
ATOM	2488	01	НОН Т		75 76	14.465	31.814	0.729	1.00 29.17
ATOM	2489	01	нон и		76	11.351	8.765	29.000	1.00 29.76
ATOM	2490	01	HOH V		77	-3.463	15.346	8.038	1.00 33.01
ATOM	2491	01	HOH V		78	9.188	38.767	15.085	1.00 31.31
ATOM	2492	01	HOH V		79	-2.414	9.596	32.635	1.00 44.49
ATOM	2493	01	HOH V		30	-4.993	26.536	9.601	1.00 32.37
ATOM	2494	01	HOH V		31	-15.925	15.529	11.947	1.00 25.86
MOTA	2495	01	HOH V	v 8	32	-12.382	18.790	35.935	1.00 34.44

ATOM	2496	01	нон и	N 83	2.705		10.273	1.00 40.15
ATOM	2497	01	HOH I		-13.564	21.329	28.598	1.00 31.01
ATOM	2498	01	НОН І	√ 85	6.479		16.774	1.00 32.83
ATOM	2499	01	HOH I		14.961		28.207	1.00 29.83
MOTA	2500	01	HOH I		18.504		23.863	1.00 28.45
MOTA	2501	01	HOH I		10.773		-0.695	1.00 35.21
MOTA	2502	01	HOH I		3.708		0.920	1.00 38.22
MOTA	2503	01	нон и		-4.973		-5.374	1.00 31.06
ATOM	2504	01	нон и		22.103		26.314	1.00 35.14
ATOM	2505	01	HOH I		10.864		14.518	1.00 48.98
ATOM	2506	01	нон и		-12.541		30.086	1.00 37.23
ATOM	2507	01	нон и		13.549		30.361	1.00 38.12
ATOM	2508	01	HOH A		-3.286		24.358	1.00 30.37
MOTA	2509	01	HOH V		-0.950		3.392	1.00 26.13
MOTA	2510	01	HOH V		2.862		1.412	1.00 26.47
ATOM	2511	01	HOH V		2.741		11.947	1.00 42.25
ATOM	2512	01	HOH V		1.437		33.660	1.00 33.67
MOTA	2513	01	HOH V		-4.898		5.233	1.00 30.59
ATOM	2514	01	HOH V		-0.328		22.285	1.00 37.92
ATOM	2515	01	HOH V		0.457		-0.352	1.00 32.32
ATOM	2516	01	HOH V		15.238		29.462	1.00 35.78
ATOM	2517	01	HOH V		12.139		-0.159	1.00 34.03
ATOM	2518	01	HOH V		-14.864		30.964	1.00 32.43
ATOM	2519	01	HOH V		-14.505		25.186	1.00 29.82
ATOM	2520	01	HOH V		3.363		- 7.718	1.00 34.48
ATOM	2521	01	HOH V		-13.197		34.279	1.00 38.85
ATOM	2522	01	HOH V		-1.443		31.117	1.00 38.54
ATOM	2523	01	HOH V		-0.120		35.601	1.00 31.88
ATOM	2524	01	HOH W		9.032		19.709	1.00 36.70
ATOM	2525	01	HOH W		11.379		-1.986	1.00 43.81
ATOM	2526	01	HOH W		12.352		2.063	1.00 31.64
ATOM	2527	01	HOH W		-5.579		7.334	1.00 39.14
ATOM	2528	01	HOH W		-6.985		-0.433	1.00 41.07
ATOM	2529 2530	01	HOH W		5.045		-8.532	1.00 37.73
ATOM	2530	01	HOH W		8.662		1.108	1.00 39.77
ATOM	2531	01	HOH W		-6.293		32.542	1.00 30.14
ATOM ATOM	2532	01 01	HOH M		-13.725		27.110	1.00 39.76
	2533	01	HOH W		16.415		22.223	1.00 29.43
ATOM ATOM	2535	01	HOH W		-12.645 -13.636	19.481 39.606	23.348	1.00 31.08 1.00 39.73
ATOM	2536	01	HOH W		-11.065		9.864	
ATOM	2537	01	HOH W		-8.777		40.828 20.560	1.00 45.73 1.00 36.17
ATOM	2538	01	HOH W		3.379		-2.032	1.00 30.17
ATOM	2539	01	HOH W		-11.598			
ATOM	2540	01	HOH W		-0.940	14.866 19.672	35.138	1.00 32.20 1.00 33.34
ATOM	2541	01	HOH W		15.163	-4.713	39.788	
ATOM	2542	01	HOH W		-0.987	26.949	22.940 -6.156	1.00 36.19 1.00 36.12
ATOM	2542	01	HOH W		10.863	12.854	1.718	1.00 36.12
ATOM	2544	01	HOH W		14.478	36.267	1.695	1.00 34.61
ATOM	2545	01	HOH W		15.776	23.818	18.687	1.00 41.23
ATOM	2546	01	HOH W		21.161	7.231	12.795	1.00 33.61
ATOM	2547	01	HOH W		22.887	22.904	29.299	1.00 32.13
111 011	2341	Οī	IIOU M	104	22.007	22.304	49.477	1.00 30.00

ATOM 2548 01 HOH W 135									
ATOM 2550	ATOM	2548	01	HOH W	135	3.909	17.363	36.196	1.00 35.35
ATOM 2551 OI HOH W 138	ATOM	2549	01	HOH W	136	-12.046	11.064	22.456	1.00 35.04
ATOM 2552 O1 HOH W 139	ATOM	2550	01	HOH W	137	-12.824	27.211	19.118	1.00 38.04
ATOM 2554 OI HOH W 140	ATOM	2551	01	HOH W	138	14.969	31.915		1.00 35.09
ATOM 2555 OI HOH W 141	ATOM	2552	01	HOH W	139	13.443	32.417	-3.827	1.00 44.74
ATOM 2556 OI HOH W 142	ATOM	2553	01	HOH W	140	2.776	12.732	37.520	1.00 41.66
ATOM 2556 01 HOH W 143	ATOM	2554	01	HOH W	141	-1.350	12.666	37.266	1.00 40.38
ATOM 2557 01 HOH W 144 16.001 -2.359 30.645 1.00 44.06 ATOM 2559 01 HOH W 146 2.861 45.550 14.180 1.00 45.05 ATOM 2559 01 HOH W 146 4.593 25.045 35.681 1.00 44.05 ATOM 2561 01 HOH W 147 -5.762 3.453 30.636 1.00 34.95 ATOM 2561 01 HOH W 149 -6.652 22.984 -0.071 1.00 31.34 ATOM 2562 01 HOH W 150 -9.852 26.486 11.576 1.00 53.30 ATOM 2564 01 HOH W 151 -11.032 13.045 39.495 1.00 41.67 ATOM 2565 01 HOH W 153 -14.654 10.777 19.722 1.00 39.18 ATOM 2565 01 HOH W 153 -14.654 10.777 19.722 1.00 39.18 ATOM 2566 01 HOH W 153 -14.654 10.777 19.722 1.00 39.18 ATOM 2566 01 HOH W 155 -0.977 7.991 -0.542 1.00 31.31 ATOM 2566 01 HOH W 155 -0.977 7.991 -0.542 1.00 31.31 ATOM 2567 01 HOH W 156 11.447 44.304 4.341 1.00 42.42 ATOM 2570 01 HOH W 157 20.425 25.089 10.825 1.00 38.33 ATOM 2571 01 HOH W 159 -13.365 36.694 5.529 1.00 49.14 ATOM 2572 01 HOH W 160 15.601 29.777 23.845 1.00 36.82 ATOM 2573 01 HOH W 160 15.601 29.777 23.845 1.00 36.82 ATOM 2573 01 HOH W 161 10.807 30.311 34.040 1.00 42.42 ATOM 2573 01 HOH W 162 -4.239 12.123 10.131 1.00 32.53 ATOM 2577 01 HOH W 163 -15.601 29.777 23.845 1.00 36.82 ATOM 2577 01 HOH W 163 -15.601 29.777 23.845 1.00 36.82 ATOM 2577 01 HOH W 163 -15.601 29.777 39.10 31.31 03.253 ATOM 2577 01 HOH W 163 -15.601 29.777 39.137 1.00 42.73 ATOM 2578 01 HOH W 165 -3.791 2.429 10.31 1.00 32.53 ATOM 2578 01 HOH W 165 -3.791 2.429 10.31 1.00 32.53 ATOM 2578 01 HOH W 166 -13.791 14.215 31.432 1.00 38.00 ATOM 2580 01 HOH W 167 0.432 17.497 39.137 1.00 42.73 ATOM 2580 01 HOH W 167 0.432 17.497 39.137 1.00 42.73 ATOM 2580 01 HOH W 170 -13.284 32.522 19.061 1.00 39.48 ATOM 2585 01 HOH W 171 9.161 39.858 11.51 1.00 36.82 ATOM 2580 01 HOH W 171 9.161 39.858 11.51 1.00 36.58 ATOM 2580 01 HOH W 171 9.161 39.858 11.51 1.00 36.56 ATOM 2580 01 HOH W 173 2.413 -7.223 17.535 1.00 36.82 ATOM 2580 01 HOH W 174 7.967 38.224 -3.285 1.00 36.82 ATOM 2580 01 HOH W 179 -1.974 45.545 5.497 1.00 42.30 ATOM 2580 01 HOH W 179 -1.974 45.545 5.497 1.00 45.55 ATOM 2594 01 HOH W 181 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2599 01 HOH W	ATOM	2555	01	HOH W	142	3.324	6.477	10.524	1.00 37.22
ATOM 2558 01 HOH W 145	ATOM	2556	01	HOH W	143	-16.166	29.270	31.100	1.00 36.51
ATOM 2559 OI HOH W 146	ATOM	2557	01	HOH W	144	16.001	-2.359	30.645	1.00 44.06
ATOM 2560 01 HOH W 147	ATOM	2558	01	HOH W	145	2.861	45.550	14.180	1.00 45.63
ATOM 2561 O1 HOH W 148	MOTA	2559	01	HOH W	146	4.593	25.045	35.681	1.00 44.05
ATOM 2561 O1 HOH W 148	ATOM	2560	01	HOH W	147	-5.762	3.453	30.636	1.00 34.95
ATOM 2562 O1 HOH W 149		2561	01	HOH W	148	-8.031	24.355	12.086	1.00 35.62
ATOM 2563 O1 HOH W 150		2562	01	HOH W	149	-6.652	22.984		1.00 31.34
ATOM 2564 O1 HOH W 151		2563		HOH W	150		26.486		1.00 53.30
ATOM 2565 01 HOH W 152		2564	01				13.045		1.00 41.67
ATOM 2567 O1 HOH W 154						-5.662			1.00 50.02
ATOM 2568 O1 HOH W 155			01						1.00 39.18
ATOM 2568 O1 HOH W 155						11.452			
ATOM 2569 01 HOH W 156 11.447 44.304 4.341 1.00 42.42 ATOM 2570 01 HOH W 157 20.425 25.089 10.825 1.00 38.33 ATOM 2571 01 HOH W 158 -0.478 42.056 23.691 1.00 40.14 ATOM 2572 01 HOH W 159 -13.365 36.694 5.529 1.00 49.14 ATOM 2573 01 HOH W 160 15.601 29.777 23.845 1.00 36.82 ATOM 2574 01 HOH W 161 10.807 30.311 34.040 1.00 40.96 ATOM 2575 01 HOH W 162 -4.239 12.123 10.131 1.00 32.53 ATOM 2576 01 HOH W 163 -15.155 30.501 26.593 1.00 34.26 ATOM 2577 01 HOH W 166 -15.155 30.501 26.593 1.00 34.26 ATOM 2577 01 HOH W 166 -75.155 30.501 26.593 1.00 38.35 ATOM 2578 01 HOH W 165 -3.791 2.469 10.886 1.00 39.48 ATOM 2579 01 HOH W 166 -13.791 14.215 31.432 1.00 38.00 ATOM 2580 01 HOH W 166 -13.791 14.215 31.432 1.00 38.00 ATOM 2580 01 HOH W 168 -17.968 15.461 15.749 1.00 42.73 ATOM 2581 01 HOH W 169 3.057 38.735 -8.809 1.00 36.15 ATOM 2583 01 HOH W 170 -13.284 32.522 19.061 1.00 43.72 ATOM 2585 01 HOH W 171 9.161 39.858 11.511 1.00 61.20 ATOM 2585 01 HOH W 171 9.161 39.858 11.511 1.00 61.20 ATOM 2585 01 HOH W 172 -8.076 25.214 1.277 1.00 34.46 ATOM 2586 01 HOH W 173 2.413 -7.723 17.535 1.00 50.89 ATOM 2589 01 HOH W 175 10.930 20.638 33.730 1.00 35.38 ATOM 2589 01 HOH W 176 4.602 2.675 11.036 1.00 35.38 ATOM 2590 01 HOH W 177 4.229 47.562 3.051 1.00 39.90 ATOM 2591 01 HOH W 179 -1.974 45.545 5.497 1.00 40.53 ATOM 2593 01 HOH W 179 -1.974 45.545 5.497 1.00 40.53 ATOM 2593 01 HOH W 179 -1.974 45.545 5.497 1.00 40.53 ATOM 2593 01 HOH W 180 -11.790 5.702 19.435 1.00 46.01 ATOM 2595 01 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2595 01 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2595 01 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2595 01 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2598 01 HOH W 181 -3.116 46.090 12.430 1.00 46.55 ATOM 2598 01 HOH W 181 -3.116 46.090 12.430 1.00 46.56 ATOM 2598 01 HOH W 181 -3.116 46.090 12.430 1.00 46.56 ATOM 2598 01 HOH W 181 -3.116 46.090 12.430 1.00 46.56 ATOM 2598 01 HOH W 181 -3.2223 41.151 11.001 1.00 46.56	ATOM	2568	01	HOH W	155	-0.977			1.00 45.59
ATOM 2570 01 HOH W 157 20.425 25.089 10.825 1.00 38.33 ATOM 2571 01 HOH W 158 -0.478 42.056 23.691 1.00 40.14 ATOM 2572 01 HOH W 159 -13.365 36.694 5.529 1.00 49.14 ATOM 2573 01 HOH W 160 15.601 29.777 23.845 1.00 36.82 ATOM 2574 01 HOH W 161 10.807 30.311 34.040 1.00 40.96 ATOM 2575 01 HOH W 162 -4.239 12.123 10.131 1.00 32.53 ATOM 2576 01 HOH W 163 -15.155 30.501 26.593 1.00 34.26 ATOM 2577 01 HOH W 164 17.868 18.293 5.518 1.00 38.35 ATOM 2577 01 HOH W 165 -3.791 2.469 10.886 1.00 38.35 ATOM 2579 01 HOH W 166 -13.791 14.215 31.432 1.00 38.00 ATOM 2580 01 HOH W 167 0.432 17.497 39.137 1.00 42.73 ATOM 2580 01 HOH W 169 3.057 38.735 -8.809 1.00 34.15 ATOM 2583 01 HOH W 170 -13.284 32.522 19.061 1.00 43.72 ATOM 2584 01 HOH W 171 9.161 39.858 11.511 1.00 43.72 ATOM 2585 01 HOH W 171 9.161 39.858 11.511 1.00 53.89 ATOM 2587 01 HOH W 173 2.413 -7.723 17.535 1.00 50.89 ATOM 2588 01 HOH W 174 7.967 38.224 -3.285 1.00 35.96 ATOM 2588 01 HOH W 174 7.967 38.224 -3.285 1.00 35.96 ATOM 2589 01 HOH W 175 10.930 20.638 33.730 1.00 35.38 ATOM 2589 01 HOH W 175 10.930 20.638 33.730 1.00 35.38 ATOM 2589 01 HOH W 176 4.602 2.675 11.036 1.00 35.38 ATOM 2590 01 HOH W 177 4.229 47.562 3.051 1.00 39.90 ATOM 2591 01 HOH W 178 15.151 1.822 29.427 1.00 40.53 ATOM 2593 01 HOH W 179 -1.974 45.545 5.497 1.00 42.30 ATOM 2593 01 HOH W 179 -1.974 45.545 5.497 1.00 42.30 ATOM 2593 01 HOH W 180 -11.790 5.702 19.435 1.00 46.01 ATOM 2595 01 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2595 01 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2595 01 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2595 01 HOH W 181 -3.116 46.090 12.430 1.00 46.55 ATOM 2596 01 HOH W 181 -3.116 46.090 12.430 1.00 46.55 ATOM 2598 01 HOH W 182 -2.855 17.252 -3.365 1.00 45.85 ATOM 2598 01 HOH W 181 -3.116 46.090 12.430 1.00 46.56 ATOM 2598 01 HOH W 181 -3.116 46.090 12.430 1.00 46.56 ATOM 2598 01 HOH W 181 -3.116 46.090 12.430 1.00 46.56 ATOM 2598 01 HOH W 181 -3.116 46.090 12.430 1.00 46.56 ATOM 2598 01 HOH W 183 16.937 14.782 22.299 1.00 45.85 ATOM 2598 01 HOH W 185 1			01	HOH W					1.00 42.42
ATOM 2571 O1 HOH W 158	ATOM	2570	01	HOH W	157		25.089		1.00 38.33
ATOM 2572 O1 HOH W 159 -13.365 36.694 5.529 1.00 49.14 ATOM 2573 O1 HOH W 160 15.601 29.777 23.845 1.00 36.82 ATOM 2574 O1 HOH W 161 10.807 30.311 34.040 1.00 40.96 ATOM 2575 O1 HOH W 162 -4.239 12.123 10.131 1.00 32.53 ATOM 2576 O1 HOH W 163 -15.155 30.501 26.593 1.00 34.26 ATOM 2577 O1 HOH W 163 -15.155 30.501 26.593 1.00 38.35 ATOM 2578 O1 HOH W 165 -3.791 2.469 10.886 1.00 39.48 ATOM 2579 O1 HOH W 166 -13.791 14.215 31.432 1.00 38.00 ATOM 2580 O1 HOH W 167 0.432 17.497 39.137 1.00 42.73 ATOM 2581 O1 HOH W 168 -17.968 15.461 15.749 1.00 41.59 ATOM 2583 O1 HOH W 169 3.057 38.735 -8.809 1.00 36.15 ATOM 2584 O1 HOH W 170 -13.284 32.522 19.061 1.00 43.72 ATOM 2585 O1 HOH W 171 9.161 39.858 11.511 1.00 61.20 ATOM 2586 O1 HOH W 173 2.413 -7.723 17.535 1.00 50.89 ATOM 2587 O1 HOH W 173 2.413 -7.723 17.535 1.00 50.89 ATOM 2588 O1 HOH W 174 7.967 38.224 -3.285 1.00 35.96 ATOM 2589 O1 HOH W 175 10.930 20.638 33.730 1.00 35.38 ATOM 2590 O1 HOH W 178 15.151 17.822 29.427 1.00 40.53 ATOM 2591 O1 HOH W 178 15.151 17.822 29.427 1.00 40.53 ATOM 2593 O1 HOH W 179 -1.974 45.545 5.497 1.00 40.53 ATOM 2593 O1 HOH W 180 -11.790 5.702 19.435 1.00 46.01 ATOM 2595 O1 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2597 O1 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2597 O1 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2597 O1 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2597 O1 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2597 O1 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2597 O1 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2597 O1 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2597 O1 HOH W 183 16.937 14.782 22.299 1.00 45.85 ATOM 2598 O1 HOH W 183 16.937 14.782 22.299 1.00 45.85 ATOM 2598 O1 HOH W 183 16.937 14.782 22.299 1.00 45.85	ATOM			HOH W	158	-0.478			1.00 40.14
ATOM 2573 O1 HOH W 160 15.601 29.777 23.845 1.00 36.82 ATOM 2574 O1 HOH W 161 10.807 30.311 34.040 1.00 40.96 ATOM 2575 O1 HOH W 162 -4.239 12.123 10.131 1.00 32.53 ATOM 2576 O1 HOH W 163 -15.155 30.501 26.593 1.00 34.26 ATOM 2577 O1 HOH W 164 17.868 18.293 5.518 1.00 38.35 ATOM 2578 O1 HOH W 165 -3.791 2.469 10.886 1.00 39.48 ATOM 2579 O1 HOH W 166 -13.791 14.215 31.432 1.00 38.00 ATOM 2580 O1 HOH W 167 0.432 17.497 39.137 1.00 42.73 ATOM 2581 O1 HOH W 168 -17.968 15.461 15.749 1.00 41.59 ATOM 2582 O1 HOH W 169 3.057 38.735 -8.809 1.00 36.15 ATOM 2583 O1 HOH W 170 -13.284 32.522 19.061 1.00 43.72 ATOM 2584 O1 HOH W 171 9.161 39.858 11.511 1.00 61.20 ATOM 2585 O1 HOH W 172 -8.076 25.214 1.277 1.00 34.46 ATOM 2585 O1 HOH W 173 2.413 -7.723 17.535 1.00 50.89 ATOM 2587 O1 HOH W 174 7.967 38.224 -3.285 1.00 35.96 ATOM 2588 O1 HOH W 175 10.930 20.638 33.730 1.00 35.38 ATOM 2590 O1 HOH W 176 4.602 2.675 11.036 1.00 36.17 ATOM 2590 O1 HOH W 177 4.229 47.562 3.051 1.00 39.90 ATOM 2591 O1 HOH W 178 15.151 17.822 29.427 1.00 40.53 ATOM 2592 O1 HOH W 178 15.151 17.822 29.427 1.00 40.53 ATOM 2592 O1 HOH W 179 -1.974 45.545 5.497 1.00 42.30 ATOM 2595 O1 HOH W 180 -11.790 5.702 19.435 1.00 46.56 ATOM 2596 O1 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2597 O1 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2597 O1 HOH W 181 -3.116 46.090 12.430 1.00 46.55 ATOM 2597 O1 HOH W 181 15.864 28.547 32.612 1.00 52.60 ATOM 2597 O1 HOH W 181 15.864 28.547 32.612 1.00 52.60 ATOM 2597 O1 HOH W 183 16.937 14.782 22.299 1.00 45.85 ATOM 2597 O1 HOH W 184 15.864 28.547 32.612 1.00 52.60 ATOM 2598 O1 HOH W 184 15.864 28.547 32.612 1.00 52.60	MOTA								
ATOM 2574 O1 HOH W 161 10.807 30.311 34.040 1.00 40.96 ATOM 2575 O1 HOH W 162 -4.239 12.123 10.131 1.00 32.53 ATOM 2576 O1 HOH W 163 -15.155 30.501 26.593 1.00 34.26 ATOM 2577 O1 HOH W 164 17.868 18.293 5.518 1.00 38.35 ATOM 2578 O1 HOH W 165 -3.791 2.469 10.886 1.00 39.48 ATOM 2579 O1 HOH W 166 -13.791 14.215 31.432 1.00 38.00 ATOM 2580 O1 HOH W 167 0.432 17.497 39.137 1.00 42.73 ATOM 2581 O1 HOH W 168 -17.968 15.461 15.749 1.00 41.59 ATOM 2582 O1 HOH W 169 3.057 38.735 -8.809 1.00 36.15 ATOM 2583 O1 HOH W 170 -13.284 32.522 19.061 1.00 43.72 ATOM 2584 O1 HOH W 171 9.161 39.858 11.511 1.00 61.20 ATOM 2585 O1 HOH W 172 -8.076 25.214 1.277 1.00 34.46 ATOM 2586 O1 HOH W 173 2.413 -7.723 17.535 1.00 50.89 ATOM 2588 O1 HOH W 174 7.967 38.224 -3.285 1.00 35.96 ATOM 2589 O1 HOH W 175 10.930 20.638 33.730 1.00 35.38 ATOM 2590 O1 HOH W 176 4.602 2.675 11.036 1.00 35.38 ATOM 2590 O1 HOH W 178 15.151 17.822 29.427 1.00 40.53 ATOM 2592 O1 HOH W 179 -1.974 45.545 5.497 1.00 42.30 ATOM 2593 O1 HOH W 180 -11.790 5.702 19.435 1.00 46.56 ATOM 2595 O1 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2596 O1 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2597 O1 HOH W 181 -3.116 46.090 12.430 1.00 46.55 ATOM 2597 O1 HOH W 183 16.937 14.782 22.299 1.00 45.85 ATOM 2597 O1 HOH W 183 16.937 14.782 22.299 1.00 45.85 ATOM 2597 O1 HOH W 184 15.864 28.547 32.612 1.00 52.60 ATOM 2598 O1 HOH W 184 15.864 28.547 32.612 1.00 52.60									
ATOM 2575 O1 HOH W 162	ATOM								
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ATOM 2577 O1 HOH W 164 17.868 18.293 5.518 1.00 38.35 ATOM 2578 O1 HOH W 165 -3.791 2.469 10.886 1.00 39.48 ATOM 2579 O1 HOH W 166 -13.791 14.215 31.432 1.00 38.00 ATOM 2580 O1 HOH W 167 0.432 17.497 39.137 1.00 42.73 ATOM 2581 O1 HOH W 168 -17.968 15.461 15.749 1.00 41.59 ATOM 2582 O1 HOH W 169 3.057 38.735 -8.809 1.00 36.15 ATOM 2583 O1 HOH W 170 -13.284 32.522 19.061 1.00 43.72 ATOM 2584 O1 HOH W 171 9.161 39.858 11.511 1.00 61.20 ATOM 2585 O1 HOH W 172 -8.076 25.214 1.277 1.00 34.46 ATOM 2586 O1 HOH W 173 2.413 -7.723 17.535 1.00 50.89 ATOM 2587 O1 HOH W 174 7.967 38.224 -3.285 1.00 35.96 ATOM 2589 O1 HOH W 175 10.930 20.638 33.730 1.00 35.38 ATOM 2589 O1 HOH W 177 4.229 47.562 3.051 1.00 39.90 ATOM 2591 O1 HOH W 178 15.151 17.822 29.427 1.00 40.53 ATOM 2593 O1 HOH W 179 -1.974 45.545 5.497 1.00 40.53 ATOM 2593 O1 HOH W 180 -11.790 5.702 19.435 1.00 36.56 ATOM 2596 O1 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2597 O1 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2597 O1 HOH W 183 16.937 14.782 22.299 1.00 45.85 ATOM 2597 O1 HOH W 184 15.864 28.547 32.612 1.00 52.60 ATOM 2598 O1 HOH W 184 15.864 28.547 32.612 1.00 52.60 ATOM 2598 O1 HOH W 184 15.864 28.547 32.612 1.00 52.60 ATOM 2598 O1 HOH W 184 15.864 28.547 32.612 1.00 52.60			01						
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ATOM 2588 O1 HOH W 175 10.930 20.638 33.730 1.00 35.38 ATOM 2589 O1 HOH W 176 4.602 2.675 11.036 1.00 36.17 ATOM 2590 O1 HOH W 177 4.229 47.562 3.051 1.00 39.90 ATOM 2591 O1 HOH W 178 15.151 17.822 29.427 1.00 40.53 ATOM 2592 O1 HOH W 179 -1.974 45.545 5.497 1.00 42.30 ATOM 2593 O1 HOH W 180 -11.790 5.702 19.435 1.00 46.01 ATOM 2594 O1 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2595 O1 HOH W 182 -2.855 17.252 -3.365 1.00 46.55 ATOM 2596 O1 HOH W 183 16.937 14.782 22.299 1.00 45.85 ATOM 2597 O1 HOH W 184 15.864 28.547 32.612 1.00 52.60 ATOM 2598 O1 HOH W 185 -12.223 41.151 11.021 1.00 46.56	ATOM	2586	01	HOH W	173	2.413		17.535	1.00 50.89
ATOM 2588 O1 HOH W 175 10.930 20.638 33.730 1.00 35.38 ATOM 2589 O1 HOH W 176 4.602 2.675 11.036 1.00 36.17 ATOM 2590 O1 HOH W 177 4.229 47.562 3.051 1.00 39.90 ATOM 2591 O1 HOH W 178 15.151 17.822 29.427 1.00 40.53 ATOM 2592 O1 HOH W 179 -1.974 45.545 5.497 1.00 42.30 ATOM 2593 O1 HOH W 180 -11.790 5.702 19.435 1.00 46.01 ATOM 2594 O1 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2595 O1 HOH W 182 -2.855 17.252 -3.365 1.00 46.55 ATOM 2596 O1 HOH W 183 16.937 14.782 22.299 1.00 45.85 ATOM 2597 O1 HOH W 184 15.864 28.547 32.612 1.00 52.60 ATOM 2598 O1 HOH W 185 -12.223 41.151 11.021 1.00 46.56	ATOM	2587	01	HOH W	174	7.967	38.224	-3.285	1.00 35.96
ATOM 2589 O1 HOH W 176 4.602 2.675 11.036 1.00 36.17 ATOM 2590 O1 HOH W 177 4.229 47.562 3.051 1.00 39.90 ATOM 2591 O1 HOH W 178 15.151 17.822 29.427 1.00 40.53 ATOM 2592 O1 HOH W 179 -1.974 45.545 5.497 1.00 42.30 ATOM 2593 O1 HOH W 180 -11.790 5.702 19.435 1.00 46.01 ATOM 2594 O1 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2595 O1 HOH W 182 -2.855 17.252 -3.365 1.00 46.55 ATOM 2596 O1 HOH W 183 16.937 14.782 22.299 1.00 45.85 ATOM 2597 O1 HOH W 184 15.864 28.547 32.612 1.00 52.60 ATOM 2598 O1 HOH W 185 -12.223 41.151 11.021 1.00 46.56		2588							
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ATOM	2600	01	нон м	187	-13.450	16.205	23.864	1.00	39.99
MOTA	2601	01	HOH W		21.557	8.538	9.074		32.39
ATOM	2602	01	HOH W	189	1.733		-10.520	1.00	
MOTA	2603	01	HOH M		-1.094	24.213	42.979	1.00	
ATOM	2604	01	HOH W		-6.827	4.971	4.805		47.90
ATOM	2605	01	HOH W		-13.991	33.731	13.221		40.59
MOTA	2606	01	HOH M		13.588	13.644	-1.450		40.18
MOTA	2607	01	HOH W		-5.326	32.039	-9.354		38.33
MOTA	2608	01	HOH W		13.465		-13.581		39.35
ATOM	2609	01	HOH W		20.141	-1.476	26.767		58.47
ATOM	2610	01	нон м		-13.105	19.480	20.652	1.00	
ATOM	2611	01	HOH W		7.070	7.353	33.532		49.27
ATOM	2612	01	нон м		6.799		-16.944		51.04
ATOM	2613	01	HOH W		0.389	6.026	29.372		35.03 37.20
ATOM	2614	01	HOH W		8.386 17.615	25.655 -0.073	32.893 29.521		48.46
ATOM	2615	01	HOH W		-6.124	28.880	4.959		35.61
ATOM	2616	01	HOH W		13.941	6.496	29.759		53.62
ATOM	2617 2618	01 01	HOH W		16.954	-0.234	14.375		37.68
MOTA	2619	01	HOH W		2.522	-7.489	20.961		44.59
ATOM ATOM	2620	01	HOH W		5.703	49.354	10.543		44.22
ATOM	2621	01	HOH W		-9.111	38.567	12.389		50.27
ATOM	2622	01	HOH W		-7.236	20.258	6.492		35.19
ATOM	2623	01	нон м		8.786	5.463	31.949		35.74
ATOM	2624	01	нон м		-7.222	40.672	16.386		42.49
ATOM	2625	01	HOH W		12.825	34.503	7.617		38.94
ATOM	2626	01	HOH W		5.590	30.888	31.645	1.00	26.09
ATOM	2627	01	HOH W		9.169	32.503	25.209	1.00	41.71
ATOM	2628	01	HOH W		23.574	26.554	10.071	1.00	56.57
ATOM	2629	01	нон м		10.056	38.516	-1.760	1.00	38.36
ATOM	2630	01	нон м	217	-5.653	23.538	10.071	1.00	39.02
ATOM	2631	01	HOH W	218	-9.772	39.888	16.597	1.00	39.89
MOTA	2632	01	HOH W	219	-7.677	22.937	7.244	1.00	48.50
ATOM	2633	01	HOH W	220	-8.099	10.871	39.914	1.00	
MOTA	2634	01	HOH W	221	9.902	31.834	22.653		46.40
MOTA	2635	01	HOH W		3.536	38.208	17.936		39.89
MOTA	2636	01	HOH W		5.427	12.563	-2.175		43.37
ATOM	2637	01	HOH W		19.901	17.833	4.495		39.94
ATOM	2638	01	HOH W		-12.027	36.815	13.817		44.07
MOTA	2639	01	HOH W		-8.746	32.585	28.696		
ATOM	2640	01	HOH W		17.914	15.042	24.333		48.17
ATOM	2641	01	HOH W		-15.428	28.994	22.176		32.12
MOTA	2642	01	HOH W		-1.184	15.555	39.910		42.24
ATOM	2643	01	HOH W		1.784	16.997	9.532		38.28
ATOM	2644	01	HOH W		-4.431	5.259	30.630		57.46
ATOM	2645	01	HOH W		14.418	34.885	17.296		49.40 38.03
MOTA	2646	01	HOH W		-10.428	31.639	7.906		46.76
ATOM	2647	01	HOH W		21.073 9.325	3.624 20.879	22.298 -6.720		46.76
ATOM	2648	01			10.266	24.192			43.43
ATOM	2649	01	HOH W		2.085	-3.234	15.986		49.75
ATOM	2650 2651	01	HOH W		-0.063	5.328	10.360		52.94
MOTA	2651	01	TOT W	230	-0.003	J.J20	10.500	1.00	52.54

MOTA	2652	01	HOH W	239	10.028	22.924	33.652	1.00 45.99
MOTA	2653	01	HOH W	240	16.681	32.926	16.387	1.00 43.29
ATOM	2654	01	HOH W	241	7.871	13.034	37 .7 58	1.00 46.97
ATOM	2655	01	HOH W	242	-7.500	33.136	-10.047	1.00 53.39
MOTA	2656	01	HOH W	243	20.580	20.554	3.052	1.00 48.18
ATOM	2657	01	HOH W	244	17.540	25.077	8.214	1.00 43.50
ATOM	2658	01	HOH W		-5.445	39.439	24.106	1.00 43.55
MOTA	2659	01	HOH W		10.166	40.681	14.159	1.00 41.16
ATOM	2660	01	HOH W		19.127	23.993	6.155	1.00 40.29
ATOM	2661	01	HOH W		-5.962	35.247	-11.325	1.00 64.60
ATOM	2662	01	HOH W		-13.021	14.668	4.628	1.00 58.02
ATOM	2663	01	HOH W		-15.666	12.941	32.852	1.00 45.95
ATOM	2664	01	HOH W		-5.827	4.361	28.098	1.00 39.00
ATOM	2665	01	HOH W		-4.508	4.229	4.028	1.00 58.76
		01	HOH W		-1.679	36.793	-11.023	1.00 54.88
ATOM	2666		HOH W		-3.188	12.850	35.709	1.00 34.00
ATOM	2667	01				46.499	9.267	1.00 47.64
ATOM	2668	01	HOH W		-4.863		39.968	1.00 47.04
ATOM	2669	01	HOH W		-8.876	14.076		1.00 49.77
ATOM	2670	01	HOH W		-7.413	15.403	42.092	1.00 38.43
ATOM	2671	01	HOH W		15.526	32.542	13.982	
ATOM	2672	01	HOH W		16.627	29.755	30.106	1.00 59.92
MOTA	2673	01	HOH W		-6.350	21.495	10.220	1.00 44.14
ATOM	2674	01	HOH W		-10.475	11.052	40.121	1.00 46.63
ATOM	2675	01	HOH W		-16.169	28.237	33.252	1.00 50.35
MOTA	2676	01	HOH W		21.143	26.244	7.273	1.00 49.50
MOTA	2677	01	HOH W		18.544	3.658	19.522	1.00 54.96
ATOM	2678	01	HOH W		-13.057	36.485	10.921	1.00 57.92
MOTA	2679	01	HOH W		-14.213	30.872	7.965	1.00 55.62
MOTA	2680	01	HOH W		23.105	19.120	9.667	1.00 51.70
ATOM	2681	01	HOH W		19.557	23.525	21.545	1.00 55.10
MOTA	2682	01	HOH W		-6.887	8.335	40.062	1.00 53.82
ATOM	2683	01	HOH W		12.547	34.227	22.521	1.00 60.24
ATOM	2684	01	HOH W		-3.101	-0.406	15.411	1.00 43.16
MOTA	2685	01	HOH W		2.686	50.220	2.020	1.00 56.09
ATOM	2686	01	HOH W		-14.257	29.391	17.420	1.00 56.26
ATOM	2687	01	HOH W	274	-7.269	25.617	22.970	1.00 58.39
MOTA	2688	01	HOH W	275	-2.828	0.486	9.670	1.00 60.53
MOTA	2689	01	HOH W	276	9.879	32.192		1.00 50.33
ATOM	2690	01	HOH W	277	-13.291	27.301	37.675	1.00 47.65
ATOM	2691	01	HOH W	278	9.031	40.412	-7.375	1.00 59.24
ATOM	2692	01	HOH W	279	21.333	22.702	9.534	1.00 50.34
ATOM	2693	01	HOH W	280	10.062	2.181	11.069	1.00 63.85
ATOM	2694	01	HOH W	281	-11.670	11.608	25.465	1.00 48.90
ATOM	2695	01	HOH W		5.882	36.123	22.042	1.00 58.95
ATOM	2696	01	HOH W		-4.121	5.854	34.338	1.00 54.24
ATOM	2697	01	HOH W	284	-9.020	5.421	40.050	1.00 56.11
END								